

20011130.qrp v02\_n390.qrl.20011130

Date: Fri, 30 Nov 2001 19:03:10 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2390

QRP-L Digest 2390

Topics covered in this issue include:

- 1) [113382] Re: The REAL virus  
by "Leon Heller" <leon\_heller@hotmail.com>
- 2) [113383] Re: Inductance meter  
by Stephen M Smith <sigcom@juno.com>
- 3) [113384] Re: Linux Ham Software  
by "Rob Matherly" <kc0bom@arrl.net>
- 4) [113385] Final Cub Fox log, 11/27/01 (11/28 UTC)  
by Richard Clem <clem.law@usa.net>
- 5) [113386] [Elecraft] Headphones  
by Doc <70511.3041@compuserve.com>
- 6) [113387] Stocking Stuffers  
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 7) [113388] Re: New Rig Suggestion  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 8) [113389] FS: Patcomm PC-500  
by Mark E Gustoff <wo7t@juno.com>
- 9) [113390] Re: The REAL virus  
by Bob Nielsen <nielsen@oz.net>
- 10) [113391] FS: MXM Transceiver  
by "N3BJ" <alanfryer@email.msn.com>
- 11) [113392] Re: Linux Ham Software  
by "Ronald Hands" <ronald.hands@sympatico.ca>
- 12) [113393] Re: New Rig Suggestion  
by rfcdma@spinn.net
- 13) [113394] FOX GADS!  
by "Karl F. Larsen" <k5di@zianet.com>
- 14) [113395] Re: Linux Ham Software  
by Bob Nielsen <nielsen@oz.net>
- 15) [113396] Re: Inductance meter  
by "Tom Pennebaker" <n4rs@netpath-rc.net>
- 16) [113397] Re: New Rig Suggestion  
by Steve Smith <sigcom@juno.com>
- 17) [113398] No Truffle heard in Thunder Bay....  
by Fred Lesnick <flesnick@tbaytel.net>
- 18) [113399] Re: Linux Ham Software  
by "Karl F. Larsen" <k5di@zianet.com>
- 19) [113400] Re: Linux Ham Software

- by W2AGN <w2agn@pobox.com>
- 20) [113401] FOX N1Q0 found but..  
by "Karl F. Larsen" <k5di@zianet.com>
- 21) [113402] darn foxes  
by "Thom Durfee WI8W" <wi8w@arrl.net>
- 22) [113403] RE: Rainbow Tuner  
by rfcdma@spinn.net
- 23) [113404] FOX Worked  
by "Karl F. Larsen" <k5di@zianet.com>
- 24) [113405] Never Give Up  
by Larry Cahoon <lejek@erols.com>
- 25) [113406] Re: darn foxes  
by "Trevor Jacobs" <fxtech@earthlink.net>
- 26) [113407] Re: [Elmer 101] Winding Toroids  
by "John O. Newell" <jnewell@mediaone.net>
- 27) [113408] Two FOXes Running [g]  
by Doc <70511.3041@compuserve.com>
- 28) [113409] FOX VT is too far away  
by "Karl F. Larsen" <k5di@zianet.com>
- 29) [113410] Truffle Hunt Results  
by "Jay Henson" <aj4ay@worldnet.att.net>
- 30) [113411] FOX Got N1Q0  
by "Karl F. Larsen" <k5di@zianet.com>
- 31) [113412] Re: Rainbow Tuner  
by "George Heron N2APB" <n2apb@erols.com>
- 32) [113413] Re: Headphones  
by "Michael Melland" <w9wis@charter.net>
- 33) [113414] Corrected Sennheiser Phones Web Link  
by "Michael Melland" <w9wis@charter.net>
- 34) [113415] Christmas suggestion list  
by Michael Goins <mgoins@usa.net>
- 35) [113416] Re: Speaking of 9 Volt Batteries  
by George Gingell <k3tks@u1.abs.net>
- 36) [113417] Fox -- Cool, Got 'em Both! :-)  
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 37) [113418] Re: Linux Ham Software  
by Stephan Greene <sgreene@patriot.net>
- 38) [113419] Re: Linux Ham Software  
by Stephan Greene <sgreene@patriot.net>
- 39) [113420] (FOX) Got him!!  
by "TC Dufresne" <tdufresne@neb.rr.com>
- 40) [113421] Strolling Memory Lane (not OT)  
by Kenneth Hoglund <hoglund@wfu.edu>
- 41) [113422] Scouts and Radios to Antietam  
by Stephan Greene <sgreene@patriot.net>
- 42) [113423] Re: Coax Loss  
by "James R. Duffey" <jamesd1@flash.net>
- 43) [113424] HEX-BEAM Group

by Barry Johnson <W4WB@oetc.com>  
44) [113425] Re: Scouts and Radios to Antietam  
by "Jerry McCollom" <w0mc@frii.com>  
45) [113426] Small antenna problem... Query...  
by "Larry Wise" <lewise@txwises.com>  
46) [113427] Small antenna problem... Query...Correction  
by "Larry Wise" <lewise@txwises.com>  
47) [113428] Re: CQWW stats  
by "Jim Worthington" <ad4j@arrl.net>  
48) [113429] Re: Inductance meter  
by K5BDZ@aol.com  
49) [113430] Re: OT Re: fund raising  
by Bruce Muscolino <w6toy@erols.com>  
50) [113431] Re: The REAL virus  
by Bruce Muscolino <w6toy@erols.com>  
51) [113432] Re: Strolling Memory Lane (not OT)  
by Bruce Muscolino <w6toy@erols.com>  
52) [113433] Re: Small antenna problem... Query...  
by Bruce Muscolino <w6toy@erols.com>  
53) [113434] Nice Fox  
by Tim ORourke <TORourke@KaiserFT.com>  
54) [113435] Re: VXO Question  
by "Michael C. Boatright" <ko4wx@mindspring.com>  
55) [113436] Re: Strolling Memory Lane (not OT)  
by Kenneth Hoglund <hoglund@wfu.edu>  
56) [113437] FOX Report  
by John Wagner <john@wagner-usa.net>  
57) [113438] Re: Small antenna problem... Query...  
by "Larry Wise" <lewise@txwises.com>  
58) [113439] Re: Small antenna problem... Query...  
by "Larry Wise" <lewise@txwises.com>  
59) [113440] Re: [Small antenna problem... Query...]  
by "Larry Wise" <lewise@txwises.com>  
60) [113441] Re: Small antenna problem... Query...  
by "Larry Wise" <lewise@txwises.com>  
61) [113442] Re: Inductance meter  
by "Karl F. Larsen" <k5di@zianet.com>  
62) [113443] Cleaning shack  
by K8ff@aol.com  
63) [113444] Fox: No Pelt Last Night  
by Thomas Jennings <jennings@eznet.net>  
64) [113445] Re: Strolling Memory Lane (not OT)  
by Joe Reed <joe@n9jr.dyndns.org>  
65) [113446] Re: TT2 update  
by "Steve/n0tu" <n0tu@qsl.net>  
66) [113447] Re: Coax Loss  
by Bill Coleman <aa4lr@arrl.net>  
67) [113448] Re: FS Posting

- by Bill Coleman <aa4lr@arrl.net>
- 68) [113449] Re: FS Posting  
by Bill Coleman <aa4lr@arrl.net>
- 69) [113450] RE: Speaking of 9 Volt Batteries  
by "AI2Q Alex" <ai2q@adelphia.net>
- 70) [113451] Re: Strolling Memory Lane (not OT)  
by "John Harper AE5X" <ae5x@qsl.net>
- 71) [113452] Re: Strolling Memory Lane (not OT)  
by baltimoremd@baltimoremd.com
- 72) [113453] Blocking Incoming Messages  
by AA3BP@aol.com
- 73) [113454] 13.5 MHz. Crystals Design Data Available  
by Brian Kassel <bkassel@dancris.com>
- 74) [113455] Re: CQWW stats  
by Bill Coleman <aa4lr@arrl.net>
- 75) [113456] Re: [fpqrp] Truffle Hunt Results  
by k8cz@att.net
- 76) [113457] Re: 13.5 MHz. Crystals Design Data Available  
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 77) [113458] FS: Ten TEC 509 Argonaut QRP  
by Qrpop@aol.com
- 78) [113459] [battery charger] Smart Charger for NiCads  
by "TheRubins" <hrubin1970@home.com>
- 79) [113460] Re: Inductance meter  
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 80) [113461] K1 #919  
by n7dma@mindspring.com
- 81) [113462] OT- Circuit board question - Thanks!  
by Robsparks@aol.com
- 82) [113463] Re: K1 #919  
by "Louie" <lou@harborside.com>
- 83) [113464] 3.686 Mhz SMK-1 Operation  
by NB6M@aol.com
- 84) [113465] Re: 80 Meter SMK-1  
by dave f epps <dave\_epps@juno.com>
- 85) [113466] NORCAL'S Upcoming December Meeting  
by Jerry Parker <jparker@fix.net>
- 86) [113467] Re: K1 #919  
by "Mike Yetsko" <myetsko@insydesw.com>
- 87) [113468] Re: Inductance meter  
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 88) [113469] FOX Cub Fox Web Page  
by "Karl F. Larsen" <k5di@zianet.com>
- 89) [113470] FOX: W8RU Preliminary Log 29Nov01  
by Ron Majewski <majewski@erim-int.com>
- 90) [113471] 42 volts and QRP ?  
by Charles Olson <jacksonharbor@att.net>
- 91) [113472] Re: Strolling Memory Lane (not OT)

by Bruce Muscolino <w6toy@erols.com>  
92) [113473] Re: K1 #919  
by "Louie" <lou@harborside.com>  
93) [113474] Re: 42 volts and QRP ?  
by "Mike Yetsko" <myetsko@insydesw.com>  
94) [113475] RE: 42 volts and QRP ?  
by "Ed Tanton" <n4xy@att.net>  
95) [113476] Re: FOX: W8RU Preliminary Log 29Nov01  
by Dave Gingrich K9DC <gingrich2@dcg.org>  
96) [113477] Re: 42 volts and QRP ?  
by Mighty Mik <mightymik2@home.com>  
97) [113478] Re: K1 #919  
by "Tim A. King Jr." <iflyos@hotmail.com>  
98) [113479] Re: 42 volts and QRP ?  
by "Ed Manuel (N5EM)" <n5em@flash.net>  
99) [113480] Re: Strolling Memory Lane (not OT)  
by "Brice D. Hornback" <bdh@cyberbound.net>  
100) [113481] Re: 42 volts and QRP ?  
by "Tim A. King Jr." <iflyos@hotmail.com>  
101) [113482] Re: K1 #919  
by <n7dma@mindspring.com>  
102) [113483] RE: 42 volts and QRP ?  
by "Kwik, Ed " <ed.kwik@delphiauto.com>  
103) [113484] Don't Miss the DECEMBER SPARTAN SPRINT ON MONDAY!  
by Russ Carpenter <russ@natworld.com>  
104) [113485] Field strength meter  
by Alex <kr1st@amsat.org>  
105) [113486] Da Lions  
by "Charles Mabbott" <crmabbott@mediaone.net>  
106) [113487] Antenna question  
by "Tim A. King Jr." <iflyos@hotmail.com>  
107) [113488] Re: 42 volts and QRP ?  
by Steven Weber <kd1jv@moose.ncia.net>  
108) [113489] Re: Inductance meter  
by Pete Burbank <plburbank@kih.net>  
109) [113490] Re: Strolling Memory Lane (not OT) from KI6DS  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
110) [113491] Re: FOX Report  
by "Mike Malone" <mmalone@worldlogon.com>  
111) [113492] Help identifying boards  
by "Steve Hudson" <sdhudson@cahners.com>  
112) [113493] Re: Strolling Memory Lane (not OT) from KI6DS  
by w2bj@minsky.info

-----  
Date: Thu, 29 Nov 2001 23:59:17 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>

To: lmairs@cox.rr.com, qrp-1@Lehigh.EDU  
Subject: [113382] Re: The REAL virus  
Message-ID: <F19XJxqBnk3CSIag6qQ00014d4d@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Lee Mairs" <lmairs@cox.rr.com>  
>Reply-To: lmairs@cox.rr.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: The REAL virus  
>Date: Thu, 29 Nov 2001 16:46:02 -0500  
>  
>The truth of the matter is that on the day IBM came calling to the CP/M  
>designer in Monterey, CA, he went for a flying lesson and blew off the  
>meeting. The IBM guys then went to Microsoft. Digital Research already  
>had a multi-tasking language at the time (M/PM), but the exponential growth  
>in INM sales just wiped them out. I can't remember the CP/M guy's name but  
>he was an associate professor at the Navy Postgraduate School in Monterey.  
>Gary Kildahl?

Nearly right. Gary Kildall. He originally wrote CP/M for Intel.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

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Date: Thu, 29 Nov 2001 16:09:05 -0800  
From: Stephen M Smith <sigcom@juno.com>  
To: sdmarko@attglobal.net  
Cc: qrp-1@lehigh.edu  
Subject: [113383] Re: Inductance meter  
Message-ID: <20011129.160906.-98253.4.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steve & group,

Try ARRL Handbook, Chapter 26. Also "Google" search, "inductance mater".

73.....Steve 'The Scrounger' Smith  
WB6TNL Oxnard, CA USA  
"Snort Rosin"

On Thu, 29 Nov 2001 18:45:52 -0500 "Steve Markowitz"  
<sdmarko@attglobal.net> writes:  
> Anybody know a few circuits for an inductance meter?  
> --IMM  
>

-----  
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<http://dl.www.juno.com/get/web/>.

-----  
Date: Thu, 29 Nov 2001 18:21:34 -0600  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <wi8w@arrl.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113384] Re: Linux Ham Software  
Message-ID: <024501c17934\$fcc03600\$8011a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Don't they have some form of emulator deal that lets you run windows  
software on linux?

72/73/oo  
Rob, kc0bom  
FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP #19

-----  
Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----  
From: Thom Durfee WI8W <wi8w@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, November 29, 2001 5:28 PM  
Subject: Linux Ham Software

OK, I administer Linux Servers at work but for the life of me I cannot seem to find any software for ham radio that is the equivalent of the stuff I use for Windows. I know the power and advantages/disadvantages of Linux over Windows. I perceive one of the disadvantages as a lack of suitable software for ham radio. Maybe I just do not know where to look. It seems to me that all the good stuff is written for Windows and not much for Linux.

Anyone know of Linux Ham Radio Software that is as good or better than the following Windows software:

Kwikwin 2000 - a county hunting software package  
Writelog contesting software  
MMTTY Rtty software  
MMSSTV SSTV software  
WINPSKse for PSK  
NA contesting software  
EZNEC - Antenna Modelling software  
Prolog 2K Logging software

Of course any Linux software would have to support the ADIF standard so I can transfer the files from my Windows system. Sources and links to the software sites would be helpful

Can anyone tell me equivalents?

If so, I build a Linux box for the shack, If not, it will still be Windows.

Thanks

73

Thom WI8W



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Date: 29 Nov 2001 18:37:48 CST  
From: Richard Clem <clem.law@usa.net>  
To: <qrp-1@lehigh.edu>  
Cc: clem.law@usa.net  
Subject: [113385] Final Cub Fox log, 11/27/01 (11/28 UTC)  
Message-ID: <20011130003748.19196.qmail@cpdv201.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Here is what I think is the final log for Tuesday's Cub Fox hunt. I had =  
a  
great time, and look forward to doing it again in January.

When I get around to it (r), I will be sending out QSL's to everyone I wo=  
rked.

If you have a card handy, I would appreciate a reply, but if you're not =  
able  
to, no problem. If your address in QRZ.com is not up to date, please let=  
me  
know.

Thanks again to all the hounds!

73,  
Rick W0IS

0200 K0EVZ	599	ND	DOC	2W	
0201 WA8BXN	589	OH	MIKE	5W	=
0203 W5YR	559	TX	GEORGE	5W	
0204 VE4WI	559	MB	CRAIG		5W
0205 KK5LD	559	TX	DAN	5W	
0206 W9HL	559	IL	RANDY	5W	
0208 AF4PS	579	FL	MAC	3W	=
0212 W8VJW	559	MI	JOHN	5W	
0213 WA9TZE	579	WI	JIM	5W	
0214 WI8W	559	MI	THOM	5W	
0215 KB9YIG	569	IN	TONY	5W	
0217 N3BJ	559	VA	ALAN	5W	
0218 K5JHP	559	TX	BILL	5W	
0219 W5USJ	559	TX	CHUCK		5W
0221 K4ADI	559	SC	FRANK		5W

0222	VE3FAL	559	ON	FRED	5W		
0224	K8KFJ	599	WV	GARY		5W	
0224	N0TK 579	CO	DAN		5W		
0225	N1Q0 559	VT	JOHN		5W		
0226	KV4EE	559	SC	CRAIG			5W
0228	KG4LDY	559	VA	JIM	5W	=	
0230	KD7CTF	349	OR	LEE	5W		
0234	KC1FB	559	CT	JIM	5W		
0235	K1NNP	559	CT	DON	5W		
0237	KB3E0F	559	MD	MURPHY			5W
0238	K4NK 599	SC	LES		4W		
0239	N4MAP	559	GA	SAM	5W		
0240	N0TU 559	CO	STEVE			5W	
0241	N10DL	559	NH	ARON		4W	
0242	AG0T 559	ND	TODD		4W		
0244	KD5KXF	559	TX	MIKE	5W	=	
0247	K4GT 559	GA	JIM		5W		
0250	AF4LQ	559	KY	MIKE	5W		
0254	K4TJD	599	GA	TOM	5W		
0256	KI0II	579	CO	RON	1W		
0300	N1TP 559	FL	TOM		5W		
0301	KE6TI	559	IN	HAROLD			3W
0303	K4BYF	559	FL	JACK	5W		
0304	KB1FKL	559	CT	MATT		5W	
0308	W3CD 599	CA	BOB		5W		
0310	N7TX 579	TX	STEVE			5W	
0312	K04WX	559	GA	MIKE			1W =
0315	WB6BWZ	559	GA	MATT		5W	
0317	KL7IXI	579	WA	MIKE		3W	
0320	K5DI 559	NM	KARL		5W		
0326	KB0LUR	559	CO	PAUL		2W	
0334	KJ0C 599	MO	JIM		5W		
0340	WR50 579	TX	DAVE		5W		
0348	WB8WTU	559	OH	DENNIS			5W
0349	KC9LC	559	VA	RANDY			5W =
0357	N5OHL	559	OK	JIM		5W	
0400	W0IS FOX	MN	RICK		5W	=	

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Date: Thu, 29 Nov 2001 20:07:47 -0500  
 From: Doc <70511.3041@compuserve.com>  
 To: "Edmund T. Wright" <etw1@jeffnet.org>

Cc: "\"Low Power Amateur Radio" <qrp-1@Lehigh.EDU>,  
")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [113386] [Elecraft] Headphones  
Message-ID: <200111292008\_MC3-E8D7-BB68@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Ed:

Well I just found a set at Radio Shack which seems to fill the bill completely for me: the Radio Shack part # 33-1158, "Noise-Reducing Race Scanner Headphones". These are very comfortable phones which slip down completely over one's ears, and they block out up to 20 db of outside noise. They were/are for use in the pits at racetracks, so that the listener can hear, while also providing some protection. They come complete with a gold 1/8" gold \*mono\* plug. So you might need an adapter=

to plug into a stereo jack. I just got mine, but gotta tell ya, they are= terrific. Will be using them for the first time in tonight's Truffle and= FOX Hunts. =

73,  
--Doc/K0EVZ

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Date: Thu, 29 Nov 2001 20:19:17 -0500  
From: "John P. Cummins, Sr." <jpcummins@charter.net>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [113387] Stocking Stuffers  
Message-ID: <3C06DE95.8CDF4433@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

NoGa, The North Georgia QRP Club has a couple of kits that would make good stocking stuffers for the ham "that has everything".

1. The NoGa PiG (Power/Indicator Guard).. protects against high voltage, reverse polarity and direct shorts (while operating or testing). Also has an LED that indicates low battery voltage. \$13.00 +\$2.00 s/h conus. \$3.00 dx.

2. The world famous NoGaWaTT meter. A dual meter output/swr meter that can be used for 2 watts or 6 watts (or with additional parts switchable between 2 and watts.) When calibrated with a known accurate source, the meter scales are very accurate. \$20.00 plus \$2.00 s/h conus. \$3.00 dx.

#### CHRISTMAS 2001 SPECIAL

Order both kits at the same time for \$32.00 postage paid. That is a 15% discount.

NOTE to DX orders:

All funds are in US dollars and financial instruments must be drawn on a US bank. Our bank charges \$15.00 to collect a draft on a foreign financial institution.

ORDERS TO:

North Georgia QRP Club  
P.O. Box 173  
Grayson, GA 30017

<http://www.nogaqrp.org>

Inquiries to Pickett, AD4S [jpcummins@charter.net](mailto:jpcummins@charter.net)

-----  
Date: Thu, 29 Nov 2001 20:23:09 -0500  
From: "Jim Kortge, K8IQY" <[jokortge@prodigy.net](mailto:jokortge@prodigy.net)>  
To: [K2UD@adelphia.net](mailto:K2UD@adelphia.net)  
Cc: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [113388] Re: New Rig Suggestion  
Message-ID: <5.0.2.1.1.20011129201833.00a5f640@pop.prodigy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:39 PM 11/29/01 -0500, Howard Kraus, K2UD wrote:  
>Seems that the Epiphyte or Cascade could be just the vehicle for  
>modification to 17M. I know the Epiphyte has been mod'ed to other bands  
>(40?) from its original 75M. The Cascade was 75M/20M.

My Cascade runs on 40 and 17. There is a conversion article in QRPp a few years back when I built that rig for those bands.

Works quite well, but could use a bit more stability in the VFO. Back then, I didn't know how to achieve that; today

I do!

>Worth a look.

Except Cascade kits are really hard to find anymore. I still have an extra kit unbuilt for some rainy day. If it wasn't for the need to take the case off to change bands, that thing would be riding around with me on the bicycle.

72,

Jim, K8IQY

PS....I'm sure Doug, KI6DS has reprints available for the conversion. You'll have to buy a whole years worth of QRPP to get it, but those are nice to have anyway.

-----  
Date: Thu, 29 Nov 2001 18:43:35 MST  
From: Mark E Gustoff <wo7t@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [113389] FS: Patcomm PC-500  
Message-ID: <20011129.184336.-1939419.0.wo7t@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Holiday sale on at <http://www.patcommradio.com/>

Happy Holidays to All,

Mark  
W07T/qrp

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/web/>.

-----  
Date: Thu, 29 Nov 2001 17:34:50 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [113390] Re: The REAL virus  
Message-ID: <20011129173450.A5916@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

I recall seeing (~1985) a few programs in CP/M-86, which ran on an IBM pc. I think that a bootstrap loader was used.

Bob, N7XY

On Thu, Nov 29, 2001 at 04:46:02PM -0500, Lee Mairs wrote:

> The truth of the matter is that on the day IBM came calling to the CP/M  
> designer in Monterey, CA, he went for a flying lesson and blew off the  
> meeting. The IBM guys then went to Microsoft. Digital Research already  
> had a multi-tasking language at the time (M/PM), but the exponential growth  
> in INM sales just wiped them out. I can't remember the CP/M guy's name but  
> he was an associate professor at the Navy Postgraduate School in Monterey.  
> Gary Kildahl?

>

> My feeling is that if you don't know what to do when you see a "C:\", then  
> you probably shouldn't have a computer. It is a comforting old fart's  
> outlook. YMMV.

> Lee, KM4YY

>

> Programming today is a race between software engineers striving to build  
> bigger and better idiot-proof programs, and the Universe trying to produce  
> bigger and better idiots. So far, the Universe is winning.

> --Rich Cook

>

>

> ----- Original Message -----

> From: "Bruce Muscolino" <w6toy@erols.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Thursday, November 29, 2001 2:53 PM

> Subject: Re: The REAL virus

>

>

> > John,

> > >

> > > I started out building a Heath H-89 (which I still have). Learned a lot  
> > > from

> > > that machine, and did run CP/M.

> > >

> > We all learned about computing in our own ways. Some of us learned by  
> > using different 8 bit machines. Some of us learned in a classroom with  
> > little practical hardware experience but lots of software experience.

> > So what? Learning by building and doing is probably the best way but

> > there are risks too.  
> >  
> > CPM is an obsolete operating system. How many modern computers does it  
> > support? CPM was good in its day, so was AppleDos! They both had  
> > problems when the computers they supported went to 16 bits. CPM never  
> > could get it right and Apple went to the Macintosh OS!  
> >  
> > 73

-----  
Date: Thu, 29 Nov 2001 20:41:44 -0500  
From: "N3BJ" <alanfryer@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113391] FS: MXM Transceiver  
Message-ID: <002501c17940\$2c60e520\$23756520@hppav>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale: MXM xcvr for 40M. Kind of rare, not many produced. Features unique  
dual conversion RX, dual IF filtering, passband tuning. About 3W out, works  
fine. Complete original documentation.

\$105 shipped

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Thu, 29 Nov 2001 21:10:29 -0500  
From: "Ronald Hands" <ronald.hands@sympatico.ca>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113392] Re: Linux Ham Software  
Message-ID: <008301c17944\$f26496a0\$0164a8c0@p133>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

"Rob Matherly" <kc0bom@arrl.net> wrote:

> Don't they have some form of emulator deal that lets you run windows  
> software on linux?  
>

Yes, Wine is included with most distributions. VMWare and Win4Lin are commercial products. Haven't tried any of them, but I've heard that Win4Lin will actually run some Windows software faster than on a true Windows platform.

-- Ron VE3SP

-----  
Date: Thu, 29 Nov 2001 19:15:07 -0700  
From: rfcdma@spinn.net  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [113393] Re: New Rig Suggestion  
Message-ID: <3C06EBAB.69380DB8@spinn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Love the idea of the SMD rig but I'm just not excited about SSB.  
Just a CW nut!

-WD7Z

-----  
Date: Thu, 29 Nov 2001 19:24:10 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [113394] FOX GADS!  
Message-ID: <Pine.LNX.4.33.0111291920420.3659-1000000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I can't locate either N1Q0 or W8RU but I did hear a LU6 station calling CQ. I hear Hounds back east working N1Q0 so I know he is near 7.041.8 or like that. There is too much Mexican SSB and other CW qso's down below 7.04 to find W8RU. I don't even hear Hounds there....

Bad day it looks like!

--



Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Thu, 29 Nov 2001 17:44:57 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [113395] Re: Linux Ham Software  
Message-ID: <20011129174457.B5916@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

There is an extensive list of Linux ham radio software at  
<http://radio.linux.org.au>

NO, not all the areas you mentioned are covered, but there is a lot more ham software for Linux than a year ago. I've been a Linux user since 1994, but I still use Windows (running on my Linux box under Win4Lin) occasionally to run such things as W6ELPROP and EZNEC, and more often to run Quicken. I used a Windows 98 laptop to run QRPDUPE during the CQWW.

For hams interested in Linux, I highly recommend Debian or SuSe, since there are hams involved in the development of both and they both include a variety of ham radio programs in the distribution.

Bob, N7XY

On Thu, Nov 29, 2001 at 11:28:09PM -0000, Thom Durfee WI8W wrote:

> OK, I administer Linux Servers at work but for  
> the life of me I cannot seem to find any software  
> for ham radio that is the equivalent of the stuff  
> I use for Windows. I know the power and  
> advantages/disadvantages of Linux over Windows. I  
> percieve one of the disadvantages as a lack of  
> suitable software for ham radio. Maybe I just do  
> not know where to look. It seems to me that all  
> the good stuff is written for Windows and not much  
> for Linux.  
>  
> Anyone know of Linux Ham Radio Software that is as  
> good or better than the following Windows  
> software:

>  
> Kwikwin 2000 - a county hunting software package  
> Writelog contesting software  
> MMTTY Rtty software  
> MMSSTV SSTV software  
> WINPSKse for PSK  
> NA contesting software  
> EZNEC - Antenna Modelling software  
> Prolog 2K Logging software  
>  
> Of course any Linux software would have to support  
> the ADIF standard so I can transfer the files from  
> my Windows system. Sources and links to the  
> software sites would be helpful  
>  
> Can anyone tell me equivalents?  
>  
> If so, I build a Linux box for the shack, If not,  
> it will still be Windows.  
>  
> Thanks  
>  
> 73  
>  
> Thom WI8W  
>  
>

--  
Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S  
nielsen@oz.net  
<http://www.oz.net/~nielsen>

-----  
Date: Thu, 29 Nov 2001 21:08:42 -0500  
From: "Tom Pennebaker" <n4rs@netpath-rc.net>  
To: <sdmarko@attglobal.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [113396] Re: Inductance meter  
Message-ID: <001101c17943\$f06b0600\$c12a1bce@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

"FET Circuits" Howard W. Sams 1977 Pg. 138-140.....  
----- Original Message -----

From: "Steve Markowitz" <sdmarko@attglobal.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Sent: Thursday, November 29, 2001 18:45 PM  
Subject: Inductance meter

> Anybody know a few circuits for an inductance meter?  
> --IMM  
>

-----  
Date: Thu, 29 Nov 2001 18:14:20 -0800  
From: Steve Smith <sigcom@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [113397] Re: New Rig Suggestion  
Message-ID: <20011129.181420.-338157.2.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

OK, here's my suggestion, Dave, for what it's worth: How about a band-imaging 17/12 meter rig? Either C.W. or SSB or whatever.

I've been noodling around that idea ever since the 2N2222 contest was announced way back when but it's always been one of those "round tuit" projects :-).

Too many fun projects, way too little time, sigh.

73.....Steve 'The Scrounger' Smith  
WB6TNL Oxnard, CA USA  
"Snort Rosin"

-----  
GET INTERNET ACCESS FROM JUNO!  
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<http://dl.www.juno.com/get/web/>.

-----  
Date: Thu, 29 Nov 2001 20:52:43 -0500  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: QRPL <qrp-1@lehigh.edu>  
Subject: [113398] No Truffle heard in Thunder Bay....  
Message-ID: <3C06E66B.DF4A3B60@tbaytel.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Not hearing the truffle hunt at all, anyone else hearing anything.  
Guess I will get ready for the FOXHUNT.

Fred  
VE3FAL

-----  
Date: Thu, 29 Nov 2001 19:01:57 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Thom Durfee WI8W <wi8w@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [113399] Re: Linux Ham Software  
Message-ID: <Pine.LNX.4.33.0111291900020.3643-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thom, forget looking. I have win98 on my laptops so I can use the great free software written for that operating system. It's done because 99% of the Hams use windows. I and a handfull of others use Linux by choice.

On Thu, 29 Nov 2001, Thom Durfee WI8W wrote:

> OK, I administer Linux Servers at work but for  
> the life of me I cannot seem to find any software  
> for ham radio that is the equivalent of the stuff  
> I use for Windows. I know the power and  
> advantages/disadvantages of Linux over Windows. I  
> percieve one of the disadvantages as a lack of  
> suitable software for ham radio. Maybe I just do  
> not know where to look. It seems to me that all  
> the good stuff is written for Windows and not much  
> for Linux.  
>  
> Anyone know of Linux Ham Radio Software that is as  
> good or better than the following Windows  
> software:  
>  
> Kwikwin 2000 - a county hunting software package  
> Writelog contesting software  
> MMTTY Rtty software  
> MMSSTV SSTV software  
> WINPSKse for PSK  
> NA contesting software

> EZNEC - Antenna Modelling software  
> Prolog 2K Logging software  
>  
> Of course any Linux software would have to support  
> the ADIF standard so I can transfer the files from  
> my Windows system. Sources and links to the  
> software sites would be helpful  
>  
> Can anyone tell me equivalents?  
>  
> If so, I build a Linux box for the shack, If not,  
> it will still be Windows.  
>  
> Thanks  
>  
> 73  
>  
> Thom WI8W  
>  
>  
>  
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Thu, 29 Nov 2001 21:34:30 -0500  
From: W2AGN <w2agn@pobox.com>  
To: "Ronald Hands" <ronald.hands@sympatico.ca>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113400] Re: Linux Ham Software  
Message-ID: <01112921343001.16293@njbirdman>  
Content-Type: text/plain;  
charset="iso-8859-1"  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

On Thursday 29 November 2001 21:10, Ronald Hands wrote:

> "Rob Matherly" <kc0bom@arrl.net> wrote:  
> > Don't they have some form of emulator deal that lets you run windows  
> > software on linux?  
>

> Yes, Wine is included with most distributions. VMWare and Win4Lin are  
> commercial products. Haven't tried any of them, but I've heard that  
> Win4Lin will actually run some Windows software faster than on a true  
> Windows platform.

>  
> -- Ron VE3SP

--  
I use Win4Lin. Works quite well. I run DX4WIN, QRPDUPE, QSL Maker, and yes,  
MS Word and Publisher with it. (Only because I had them left over from work.)

John L Sielke W2AGN  
w2agn@pobox.com  
<http://www.qsl.net/w2agn>

-----  
Date: Thu, 29 Nov 2001 19:34:37 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [113401] FOX N1QO found but..  
Message-ID: <Pine.LNX.4.33.0111291932410.3659-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well found n1qd at 7.04112 but he is so weak I can't expect to  
work him. Also sounds like he is having rig problems.

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Fri, 30 Nov 2001 02:33:30 -0000  
From: "Thom Durfee WI8W" <wi8w@arrl.net>  
To: <qrp-l@lehigh.edu>  
Subject: [113402] darn foxes  
Message-ID: <019d01c17947\$6684c260\$6401a8c0@grapid1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I can hear the hounds at 7034 and 7042 but even with both CW filters at 125 Hz cranked in on my FT-920 I cannot find the darn foxes. QRM here is at least 20 over S9. W8RU is about 100 miles from here and probably below the noise and N1QO is buried in the East Coast QRM.

Rough night indeed. Time for bed anyway, 4 am comes early around here.

73

Thom WI8W

-----  
Date: Thu, 29 Nov 2001 19:31:27 -0700  
From: rfcdma@spinn.net  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [113403] RE: Rainbow Tuner  
Message-ID: <3C06EF7E.9983B370@spinn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am interested in the Rainbow Tuner.  
I see that no kits are now available.  
Therefore I am interested in finding a manual for the kit and a parts list.  
Also any suggestions on where to get some of the parts

Thanks  
-WD7Z

-----  
Date: Thu, 29 Nov 2001 19:40:53 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-1@lehigh.edu>  
Subject: [113404] FOX Worked  
Message-ID: <Pine.LNX.4.33.0111291939200.3659-1000000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I found W8RU On 7.03355 and he is strong here and he worked me on

his frequency. He isn't working slit.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Fri, 30 Nov 2001 00:23:43 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [113405] Never Give Up  
Message-ID: <5.1.0.14.0.20011130001332.00b63d50@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I got an envelope of cards from the buro today and I guess the rule should be never give up. There were two new countries QRP and one new one QRPP in the pile. But the real surprise were two cards from Brazil that predate my QRP days.

The first was for a 20 meter QSO from February of 94. Yes 7+ years ago. I got a card from the fellow in March of 95 and sent him one back in November of 95. Well today I get another request from a card for the same QSO. Perhaps he is not such a good record keeper or perhaps the card got lost in transit years ago. He'll get a new card in any case.

The second was a bigger surprise. This one turned out to be for a 15 meter QSO. The neat thing about its is that somehow over all the years I had never managed to collect a card for a 15 meter QSO with Brazil. So I got to add a new one to my band total. The strange thing about this one is that it was for a QSO in October of 91 - over ten years ago. My card went out to him in January of 92. This may have set a record for the longest I've had to wait for a card to come back.

73 de Larry.....WD3P in MD  
<http://www.qsl.net/wd3p/>

-----  
Date: Thu, 29 Nov 2001 18:41:16 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: <wi8w@arrl.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>



Subject: [113406] Re: darn foxes  
Message-ID: <002401c17948\$7c63b540\$4d9ab2d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ah, same thing here in Burbank,CA Thom. I can hear a few hounds but haven't heard a fox yet. Lots of QRM too, including a guy on 7.040 that sounded like his keyer was stuck on! Will be fun to try it in WI next week...

72/73's

Trev

KG6CYN

----- Original Message -----

From: Thom Durfee WI8W <wi8w@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Thursday, November 29, 2001 6:33 PM  
Subject: darn foxes

> I can hear the hounds at 7034 and 7042 but even  
> with both CW filters at 125 Hz cranked in on my  
> FT-920 I cannot find the darn foxes. QRM here is  
> at least 20 over S9. W8RU is about 100 miles from  
> here and probably below the noise and N1QO is  
> buried in the East Coast QRM.  
>  
> Rough night indeed. Time for bed anyway, 4 am  
> comes early around here.  
>  
> 73  
>  
> Thom WI8W  
>  
>

-----

Date: Thu, 29 Nov 2001 21:40:59 -0500  
From: "John O. Newell" <jnewell@mediaone.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [113407] Re: [Elmer 101] Winding Toroids  
Message-ID: <3C06F1BB.F8E7A847@mediaone.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> neat toroids that you won't be embarrassed to show your  
> friends

And thank heaven for that! That would be too much! <|;D

A little more seriously, I took the time riding the train  
(commuter rail) to wind the toroids for a Warbler. Oh, my,  
the looks I got from people who wouldn't know a toroid from  
a hemorrhoid! OTOH, I guess it did look pretty  
curious...like I was knitting...but with wire...and these  
itsy-bitsy little donuts...???

72  
John Newell  
KB1FPM

-----  
Date: Thu, 29 Nov 2001 21:41:00 -0500  
From: Doc <70511.3041@compuserve.com>  
To: "\"Low Power Amateur Radio" <qrp-l@Lehigh.EDU>  
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [113408] Two FOXes Running [g]  
Message-ID: <200111292141\_MC3-E8C7-C010@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
                charset=ISO-8859-1  
Content-Disposition: inline

Gang:

Both FOXes have been spotted and are working big pileups fast. Ron W8RU =  
is  
on 7.033.3 and abt 589 into Bismarck. John N1Q0 is on 7.040.9 and RST 56=  
9.

John's signal seems to be picking up a bit from the start. There was a  
terrific amount of QRM on John for a while, but it seems to have cleared =  
up  
by 0226Z. Go get 'em, everyone :-),

73,  
--Doc/K0EVZ

-----

Date: Thu, 29 Nov 2001 19:49:39 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [113409] FOX VT is too far away  
Message-ID: <Pine.LNX.4.33.0111291947090.3659-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here in New Mexico N1Q0 is s2 at best. He doesn't even wiggle the  
s meter. I can't get his call and can't be sure he is calling me, so I  
will stop calling him. Check it again in 30 minutes.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Thu, 29 Nov 2001 20:45:14 -0600  
From: "Jay Henson" <aj4ay@worldnet.att.net>  
To: "QRPL" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@mpna.com>  
Subject: [113410] Truffle Hunt Results  
Message-ID: <002d01c17949\$0d6e7200\$1f71560c@jjp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My thanks to all that persevered through my nerves tonight. Conditions  
weren't too bad considering we had bad weather all afternoon.

This is my "first attempt" at a list of contacts for tonight's flying pigs  
truffle hunt. Please let me know of any errors. I know that I missed a  
letter in my last contact of the evening. Heaven only knows what else might  
be wrong.

Time	Call	RST	SPC	Name	Power
0132	AF4PS	599	FL	Mac	3w
0134	W5YR	559	TX	George	5w
0135	N1TP	559	FL	Tom	5w
0136	W0CH	559	OK	Dave	900mw
0138	WR50	449	TX	Dave	5W
0140	N7TX	559	TX	Steve	5w

0141	K4BYF	559	FL	Jack	5w		
0142	KD5KXF	559	TX	Mike	5w		
0143	W5USJ	559	TX	Chuck	5w		
0144	K0EVZ	559	ND	Doc	2w		
0145	WV9N	559	OH	Randy	5w		
0146	K5DW	559	TX	Don	5w		
0148	K5JHP	559	TX	Bill		5w	
0149	W9HL	559	IL	Randy	5w		
0150	K4ADI	559	SC	Frank	5w		
0152	NN5E	559	TX	Vern	5w		
0154	WA8BXN	559	OH	Mike	5w		
0155	K8KFJ	559	WV	Gary	5w		
0159	K?4LDY	559	VA	Jim	5w		
0200	AJ4AY			AL Jay	5w	truffle	

I got a little scared at first as there was no one heard for the first couple of minutes. I figured I had the wrong day or time for a while. Then there's my neighbor and fellow oinkster, Mac AF4PS. After that, things got pretty steady. It was nice to hear Doc K0EVZ from ND. If I copied right, he was running 2 watts and I had a very nice copy. The TX folks really turned out big time. Lowest power was Dave W0CH at 900mw in OK.

Logging was by pencil and paper and keying by multi-functional fat fingers.

Lesson learned: WRITE the call down before you answer. My brain can only hold so much and trying to remember a call after the exchange did cause a problem a time or two. :-)

My best to everyone and 00 ya'll!

Jay  
AJ4AY  
Mobile, AL  
FP -115, SOC 220, ARCI 8131, FISTS 7917, QRP-L 1372

-----  
Date: Thu, 29 Nov 2001 20:05:58 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [113411] FOX Got N1QO  
Message-ID: <Pine.LNX.4.33.0111292002520.3731-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy what a deal! I could just copy him and must have hit a QSB

peak or something. I was 1+ KHz above his frequency. Sure glad the propagation god came through. Gads now there are carriers and all kind of guys calling on his frequency!

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Thu, 29 Nov 2001 21:55:55 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: <rfgdma@spinn.net>, "QRP-L" <qrp-l@lehigh.edu>  
Cc: "NJQRP" <njqrp@njqrp.org>  
Subject: [113412] Re: Rainbow Tuner  
Message-ID: <006501c1794a\$8aacdd50\$83c43ad0@GHLTP4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A short article is in the next QRP Homebrewer (coming to subscribers in early December) overviewing the Rainbow Tuner and a real handy packaging and usage example.

We've also ordered more pcb's we'll be selling "partial kits" (pcb + manual + select parts), hopefully to be shipping by Christmas.

Kit cost is being established and will be announced in QRP Homebrewer article, on the NJQRP website (<http://www.njqrp.org>) and on the QRP Lists. Will likely be in the \$10-\$15 range.

In the meantime, you can see all about the Rainbow Tuner project at the club's website [http://www.njqrp.org/Rainbow/rb\\_home.html](http://www.njqrp.org/Rainbow/rb_home.html)

73, George N2APB  
n2apb@amsat.org  
for the NJQRP Club at <http://www.njqrp.org>

=====

> I am interested in the Rainbow Tuner.  
> I see that no kits are now available.  
> Therefore I am interested in finding a manual for the kit and a parts  
> list.

> Also any suggestions on where to get some of the parts  
>

-----  
Date: Thu, 29 Nov 2001 21:28:28 -0600  
From: "Michael Melland" <w9wis@charter.net>  
To: "Edmund T. Wright" <etw1@jeffnet.org>, <elecraft@qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [113413] Re: Headphones  
Message-ID: <004601c1794f\$148ac2e0\$0875c418@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I recently was looking for good quality phones for for ham use (besides my Heil ProSet) and for use with my Drake R-8 and Racal receiver. I stumbled across the Sennheiser web site several weeks ago ... I remembered they made great high quality audio buff phones as well as phones used by the airlines.

I found the HD-433 model to be of interest..... and they are available for \$18.00 delivered as refurb units. I ordered a pair and they arrived in about a week..... they look and operate like new and have the full Sennheiser 1 year warantee.

They come with a 1/8" stereo plug as well as a 1/8 to 1/4 adapter. These are soft vented foam phones larger then the cheap walkman style but of similar but much much higher quality. They work great for cw and ssb and sound beautiful on AM swl....

Specs:  
10 ft OFC copper cable  
22-20,000 Hz response  
Dynamic Open Frame Style  
32 Ohms  
SPL @ 1 KHz 94 dB  
Load rating: 100 mW  
THD <1%  
Cost as refurb: \$18.00 shipped

Check them out as well as other Sennheiser phones on their web site.... look for the small print on those also available as "refurbs". These are great phones.

[http://www.sennheiserusa.com/pages/products/headphones/index.htm?433.htm~mai](http://www.sennheiserusa.com/pages/products/headphones/index.htm?433.htm~main)  
n

73 de Mike, W9WIS, K1 #89

--

Michael Melland, W9WIS  
Winneconne, Wisconsin USA EN54pc  
qrp-l #1656 - qrparci # 9875 - iparc #252  
ars #1075 - <http://www.qsl.net/w9wis>

-----  
Date: Thu, 29 Nov 2001 21:32:29 -0600  
From: "Michael Melland" <w9wis@charter.net>  
To: "Edmund T. Wright" <etw1@jeffnet.org>, <elecraft@qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [113414] Corrected Sennheiser Phones Web Link  
Message-ID: <006801c1794f\$a3b4d8c0\$0875c418@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<http://www.sennheiserusa.com/pages/products/headphones/index.htm?433.htm~main>

73 de Mike

-----  
Date: 29 Nov 2001 22:20:24 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-l@lehigh.edu  
Subject: [113415] Christmas suggestion list  
Message-ID: <20011130032024.14019.qmail@cpdvgl100.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

I received my tiny CW Christmas key in today's mail from Marshall (Milestone Technologies), and its really a neat little key. Great looking little key= and operates extremely well. Might want to add it to your "need it" list soon= as there are only 200 of them. Mine is #136. Should go really well with a tiny rig.

mike  
wb5yjx  
(no association - just like the key!)

-----  
Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

-----  
Date: Thu, 29 Nov 2001 22:48:01 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Cc: Ed Hare <w1rifi@arrl.org>  
Subject: [113416] Re: Speaking of 9 Volt Batteries  
Message-ID: <20011129214807.S30736-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I thought 510 Volts a bit High for "B" Batteries, So I went on an Hour Long Search of the Library, to see what I could find on "B" Batteries.

I went back as far as the 1943 A.R.R.L. Handbook (I was 1 Yr. Old then :^}

I actually found a Battery Table in the 1947 HB on page 385.

45 Volt # 386 Weight 14 Pounds.

45 Volt # 455 8 Lbs. 6 Oz. (5 Hr at 70 MA)

67.5 Volt #467 (5 Hrs at 70MA)

I found an advertisment for Burgess Batteries Z30NX 45 Volt 1 Lb 4 Oz

In the RSGB Handbook, I found Eveready (GB) B106 = 45V B1702 = ^60 V  
B126 = 90V

In an old Mobile Handbook, I found some interesting Portable (QRP) rigs.

One used a 3 V Battery for Filaments (2) 45 Volts for RX and (2) 67.5 Volts for TX

RCA VS013 45V Burgess Z30NX 45V RCA VS-216 67.5V

What totally amazed me was the fact that I could not find a Battery Chart in The ARRL HANDBOOKs of recent times. Even the Old ones only had the One



which showed expected current capacity of mostly 45 Volt Batteries.

I even looked in Some Old Fair Radio Sales Catalogs for Military Surplus "B" Batteries.

Where OH!, Where is my Allied Radio Catalog when I need it?

Not nearly as old as The Yellow Rose of Texas, But the Highest that I could find was 90 Volts. I do seem to recall 135V, but not sure from when or where. I do remember using the 67.V job. I recall a Leather Cased AM Portable (Wards?) that ate them up. Or so it seemed to a kid at the time.

I don't recall "Lick Testing" one either. I had enough StarPower Experience with TV Transformers. :^}

Funny how memory of things changes over the years. :^}

Still a lot more interesting than the other more recent OT Threads.

I finally figured it out 340 X 1.5V Cells = 510 V. I can't seem to come up with another good combination of Known Batteries to make 510 Volts.

More Curious as to what its purpose would have been?

If I could only find my OLD CATALOG Collection? I'll bet B-A Would have had them...

George, I had to laugh at "NETXQRP" I keep meaning to ask if that was another List that I should join. NET X QRP :^} It finally dawned on me that it was N.E. Texas QRP Club :^}

OBTW I found a bit more on Diode (Vt) in RSGB Handbook. .3V @ 20ma Ge and .8V @ 20ma for Si.

I still have not found my Solid State Design Handbooks. (W7ZOI) I know that it had considerably more info on Diode Detectors for RF Measurement in it.

So much for Memory Lane... OBTW I found My Old HRO in the 47 HB :^}

Wish I still had it.. Anyone receiving a Free Shortwave Radio from a Lady in Rockville, MD please Step Forward (Abt 1960-62). :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Thu, 29 Nov 2001 21:52:54 -0600  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [113417] Fox -- Cool, Got 'em Both! :-)  
Message-ID: <200111300352.AA01393@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

First sweep of the season, although N1Q0 was no walk in the park. :-) He came up pretty nicely here, and was peaking at 599 before dropping back down to near the noise again. I got him just before he slipped all the way back into his hole. :-) Got into the fray late again due to work stuff, and wasn't all that hopeful that I'd get them both. W8RU was dead easy. Strong enough to overcome the QRM and other crap on and around his frequency.

N1Q0 was again S9 for a couple minutes, but is headed back to the noise again. Wierd band conditions. Stick with him!

72/73,

Todd, AG0T

-----

Date: Thu, 29 Nov 2001 22:52:24 -0500 (EST)  
From: Stephan Greene <sgreene@patriot.net>  
To: Thom Durfee WI8W <wi8w@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [113418] Re: Linux Ham Software  
Message-ID: <Pine.LNX.4.10.10111292249390.15939-100000@tzion.greene.lan>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 29 Nov 2001, Thom Durfee WI8W wrote:

> Anyone know of Linux Ham Radio Software that is as  
> good or better than the following Windows  
> software:  
>  
> MMSSTV SSTV software  
> WINPSKse for PSK

Take a look at qsstv for sstv and kpsk or twpsk for psk-31. Qsstv autodetects the incoming sstv signal's mode. Kpsk has a nice waterfall display and logging feature, while twpsk's latest version has a nice auto-scan capability. Maybe one of these will meet your needs.

Oh, you did not ask, but Predict for satellite tracking (Or InstantTrak in a DOSEMU window), and XASTIR for APRS.

73, Steve KA1LM

-----  
Stephan A. Greene        sgreene@patriot.net        ka1lm@amsat.org  
Herndon, VA            1-703-654-6032 office    1-571-233-1194 cell  
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-----  
Date: Thu, 29 Nov 2001 22:53:45 -0500 (EST)  
From: Stephan Greene <sgreene@patriot.net>  
To: Rob Matherly <kc0bom@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [113419] Re: Linux Ham Software  
Message-ID: <Pine.LNX.4.10.10111292252430.15939-100000@tzion.greene.lan>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 29 Nov 2001, Rob Matherly wrote:

> Don't they have some form of emulator deal that lets you run windows  
> software on linux?

WINE - support for Win32 dll's (not an emulator)

VMWare - one commercial emulator - run Linux under Windows, or visa versa

Win4Lin - another

73, Steve KA1LM

-----  
Stephan A. Greene      sgreene@patriot.net      ka1lm@amsat.org  
Herndon, VA          1-703-654-6032 office    1-571-233-1194 cell  
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-----  
Date: Fri, 30 Nov 2001 03:58:57 -0000  
From: "TC Dufresne" <tdufresne@neb.rr.com>  
To: <qrp-1@lehigh.edu>  
Subject: [113420] (FOX) Got him!!  
Message-ID: <00cb01c17953\$56977ee0\$89b41c41@neb.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Listened for a while, scanned the dial, and found him all alone. I like this  
2N2-40 as a fox-hunter.... Tom

-----  
Date: Thu, 29 Nov 2001 23:02:41 -0500  
From: Kenneth Hogle <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [113421] Strolling Memory Lane (not OT)  
Message-ID: <3C0704E1.F82E6728@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ok Gang--

I'm happy to reminisce about CP/M as much as anyone. Also used to  
program a Digital PDP-8 when in high school when such a marvel was new.  
But I'm more interested in the past as regards qrp rigs. As memories

fade, we're all impoverished if we can't recover the people and ideas that produced rigs for low-power operations. So I'm calling for a QRP stroll down memory lane.

Can any of the om's out there offer some memories about the following kits that I have seen in old lists, but never have heard much about, never mind ever seen:

642 Kits, Spartanburg, SC

CQ Radio Kits, Bradford, Ontario

Cy-ance Kits, West Fork, AR

Digitrex Electronics, Rochester, MI

Radiokit, Pelham, NH

Tedco, Newport RI (Nov '80 QST has review of 80m qrp transceiver)

Tejas RF Technology, Houston, TX (Nov '93 QST has very positive review of

40m version of Backpacker II)

Bruce Williams, WA6IVC, Smithville, TX (call sign no longer active)

Also, the revered W1FB Doug DeMaw is on some lists as a supplier of CW qrp kits???

Yes, I've done Google searches on all these. No current information as far as I can determine, and no on-line repository of history of rigs/kits from these vendors.

Let's see if we can't recover something of our glorious (?) past.

73

Ken KG4FGC

-----  
Date: Thu, 29 Nov 2001 23:01:42 -0500 (EST)  
From: Stephan Greene <sgreene@patriot.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Cc: NoVAQRP List <NoVaQRP@topica.com>  
Subject: [113422] Scouts and Radios to Antietam  
Message-ID: <Pine.LNX.4.10.10111292253550.15939-1000000@tzion.greene.lan>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm going to try playing radio with the Boy Scouts again. We're going to Antietam Battlefield National Park as part of their annual "Memorial Illumination" weekend ( <http://www.nps.gov/anti/Luminary.htm> for details). We'll be camping by the C&O Canal and placing candles near the Dunker Church, I believe.

Bringing the K-1 (40/20), 817, a 7AH gell cell, MP-1, ZM-2, my SD-20 pole and some wire. (the other Scouters are calling me "Inspector Gadget!") Hopefully, I'll get some time to be able to operate voice during the day and switch to CW at night so I don't keep everyone awake with my yapping! Not sure which bands I'll try, probably the qrp and hfpack calling freqs on 20 and 17M SSB, and 14.060 and 7.040 on CW.

Hoping for good propgation and some QSOs!

72 & 73, Steve KA1LM

-----  
Stephan A. Greene      sgreene@patriot.net      ka1lm@amsat.org  
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-----  
Date: Thu, 29 Nov 2001 21:07:58 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: Bill Coleman <aa4lr@arrl.net>, <IamSF5@aol.com>  
Cc: qrp-l <qrp-l@lehigh.edu>  
Subject: [113423] Re: Coax Loss  
Message-ID: <B82C542E.F683%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Bill - Thanks for your comments on my post.

I am afraid we are quibbling over nits, or at least tenths of decibels.

I would, however like to explain my motivation for the post and my choice of parameters and examples.

I was concerned that some members of the list would take your statement literally that 50 Ohm coax has less loss than 75 Ohm coax, and avoid 75 Ohm

coax for that reason. Of course losses depend on the construction and on the antenna load. I think that we agree on this.

As to my choice of the same diameter inner conductor as "similar construction", I did that because the main loss mechanism of coax at HF is the  $(i \cdot 2) \cdot R$  loss in the inner conductor. One can not use "identical construction" in comparing the two coaxes as then the impedances would be the same. I had earlier prefaced my discussion with the statement "Comparing 50 Ohm and 75 Ohm coax with equal diameter center conductors..." . I apologise for not repeating it later. I also meant to assume that the dielectric material would be the same when I said similar construction. Of course, your choice of equal outer diameters is also a valid comparison as that dimension drives the cost.

I chose to compare the RG-6 cable because that is what I believe Bob is using; he describes "quad shield" CATV 75 Ohm coax in the post you replied to, and has posted on this list often about using this cable. I felt that using that coax as an example would be helpful to Bob in ascertaining his situation. I think that RG-6 is about the same price as RG-58.

Of course, the actual impedance of the antenna being matched should drive the choice of coax impedance. A glance at Figure 1, page 3-2, Chapter 3 of the 19th edition shows that for a dipole over real (lossy) ground, 75 Ohm coax is probably a better choice than 50 Ohm coax, although there isn't a vast difference. Between heights of 0 and 1 wavelength, the dipole impedance reaches a maximum of 98 Ohms and minimum of 45 Ohms. This corresponds to a maximum SWR on the 75 Ohm coax of about 1.6 to 1 and a maximum SWR on the 50 Ohm coax of slightly less than 2 to 1. So for this example, the 75 Ohm coax will have a slight, but measurable advantage, if the matched line losses are equal.

Of some interest to a professional data hunter/gatherer/analyzer like myself is to compare the losses of transmission lines with the roughly the same diameter center conductor, but different impedances. Referring to the transmission line table in The Antenna Book:

At 10 MHz and #22 gauge center conductor, Polyethylene dielectric (unless otherwise specified);

300 Ohm twinlead	300 Ohm	0.3 dB	(actually 20 gauge)
RG-63B	125 Ohm	0.5 dB	
RG-62A	93 Ohm	0.9 dB	
RG-59B	75 Ohm	1.0 dB	(#20 center conductor)
RG-58	50 Ohm	1.1 dB	(#20 center conductor)

The twin lead has roughly twice the loss as coax of the same diameter inner conductor would have, but is included as an interesting data point.

The trend is clear, if the conductor that drives the transmission line loss is approximately the same, then higher impedance transmission lines have lower losses.

My point is that Bob, and most of the members of this list don't have to worry about using 75 Ohm coax instead of 50 Ohm coax as long as the cables have comparable matched losses and are of quality construction.

I hope that this helps. - Dr. Megacycle KK6MC/5 "Radio Green Chile"

>similar construction  
James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Thu, 29 Nov 2001 22:34:31 -0600  
From: Barry Johnson <W4WB@oetc.com>  
To: qrp-l@lehigh.edu  
Subject: [113424] HEX-BEAM Group  
Message-ID: <4.3.2.7.2.20011129223422.02939370@mail.pop.oetc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

The HEX-BEAM is new approach to beam antenna design and has demonstrated remarkable performance using the controlled field concept. Antennas are available that cover 6 through 40 m in various monoband and multi-band configurations. The purpose of this Group is to discuss the technical and operational aspects of the HEX-BEAM including installation, adjustment, modeling, performance, comparisons, and operating techniques.

If you have interest in this topic, see

<http://groups.yahoo.com/group/hex-beam>

72 de Barry - W4WB  
HEX-BEAM Group Moderator

-----  
Date: Thu, 29 Nov 2001 22:26:56 -0700  
From: "Jerry McCollom" <w0mc@frii.com>  
To: <sgreene@patriot.net>,



"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113425] Re: Scouts and Radios to Antietam  
Message-ID: <000b01c1795f\$a1052ed0\$baac11d8@MCCOLL0M186>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Steve,

> I'm going to try playing radio with the Boy Scouts again. We're going to  
> Antietam Battlefield National Park as part of their annual "Memorial  
> Illumination" weekend ( <http://www.nps.gov/anti/Luminary.htm> for details).  
> We'll be camping by the C&O Canal and placing candles near the Dunker  
> Church, I believe.

That's my old stomping grounds! I grew up in Sharpsburg before I moved to  
Kansas. If you go down Main Street, give a wave to the big stone house at  
109 West Main for me! (my old house). I'll definitely try to work you if I  
can!

72,  
Jerry McCollom  
W0MC

-----  
Date: Fri, 30 Nov 2001 05:47:50  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [113426] Small antenna problem... Query...  
Message-ID: <20011130054417.RHJV18411.io@ape>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

My son has recently purchased a used fiberglass sailplane  
and is getting the cockpit set up for himself before he  
flies it...

As part of the work we scanned the antenna with the MFJ-259  
to see if it was anywhere near resonant on the desired  
frequencies.

The aircraft VHF band runs from 118.000 to 135.975mhz or

thereabouts, with the lower part to about 118.700 or so devoted to NAV-AIDS, with remainder used as voice freqs for various purposes....

Gliders in the US use 123.3 and 123.5mhz for most of their work.

Imagine our dismay when we read the meters, showing dips at about:

118.000  
128.800  
139.700

The dips at either end of the band were about 1:1, while the center one was about 1:2 or so.....

The desired freqs of 123.3 and 123.5 were well over 3:1 up in the red near infinity....The R meter showed about 100 ohms at these freqs...

So trim the antenna a little you say....

Well, therein lies the problem....

The antenna is imbedded in the vertical fin of the glider with no access hatches....all we can see is part of about 6 meters of gray RG-58/CU coming up to the cockpit....

So the question is:

Do you suppose it is reasonable to put a matching network at the radio so it can see around 50 ohms, and still get any reasonable amount of RF out of the antenna?

The power level is 5 watts (naturally), as this is a small handheld unit that has been panel mounted....

We have no idea what the antenna configuration is, but since this is a relatively low cost, light glider, it probably is some sort of vertical, maybe a multi wire, probably 1/4 wave or so.....The whole fin assembly is on the order of 4 ft max, and a 1/4 wave at 123.4 is around 47-48 inches, give or take a little K.....

And if they have a ground plane hidden in there, I'd be surprised... :-)  
But who knows....

We're well aware of the regulatory aspects of this proposition,  
and are not interested in a discussion of those....

Other options are:

- 1 - Tear into the structure and find out what's in there....Unlikely...
- 2 - Abandon the current antenna and rig up something else...possible maybe...

So, what do you think? Can we match at the radio and still get  
a couple of watts down the coax to the antenna under these  
seemingly terrible conditions????

Larry KA5T  
Georgetown, Texas

-----  
Date: Fri, 30 Nov 2001 05:56:45  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [113427] Small antenna problem... Query...Correction  
Message-ID: <20011130055313.RLFM18411.io@ape>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Of course that's:

1/4 wave at 123.4 is about 24 inches....

not 47-48 inches.....

1/2 wave, 1/4 wave....who can keep them straight.... :-)

Larry KA5T  
Georgetown, Texas

-----  
Date: Fri, 30 Nov 2001 02:45:00 -0500  
From: "Jim Worthington" <ad4j@arrl.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [113428] Re: CQWW stats  
Message-ID: <NABBICBNJHOBKGPEHLKBMEJGFKAA.ad4j@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>From Atlanta, Europe was the big source of QSOs. I operated about 14 hours (though Friday night and Saturday morning were not very productive) and made 213 contacts. Here's the breakdown:

	160M	80M	40M	20M	15M	10M	Total	%
SA	0	0	1	3	11	9	24	11.3
NA	0	3	5	5	14	16	43	20.2
OC	0	0	0	0	2	1	3	1.4
EU	0	0	1	39	14	67	121	56.8
AS	0	0	0	2	7	1	10	4.7
AF	0	0	1	3	2	6	12	5.6

My best run was on 10 meters from about 1600Z to 1900Z on Sunday when 67 of the 79 stations I worked were in Europe. JA was much harder from here. All 7 of my JA QSOs were in the early evening on 15 meters and 5 of them came in a 6 minute period. As for the European zones 14 vs. 15, they were about equal for me - 58 Qs with zone 14 and 57 Qs with zone 15.

72,  
Jim, AD4J

-----  
Date: Fri, 30 Nov 2001 05:11:51 EST  
From: K5BDZ@aol.com  
To: sdmarko@attglobal.net, qrp-l@lehigh.edu  
Subject: [113429] Re: Inductance meter  
Message-ID: <157.4ea6fa3.2938b567@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 11/29/2001 5:51:20 PM Central Standard Time,

sdmarko@attglobal.net writes:

> Anybody know a few circuits for an inductance meter?

> --IMM

Look at the SPRAT (GQRP) #72 article...Autumn 1992.

Great little circuit. Simple and easy. Kits might be available thru Kanga.  
Bill K5BDZ

-----  
Date: Fri, 30 Nov 2001 06:22:28 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [113430] Re: OT Re: fund raising  
Message-ID: <3C076BF4.54DB8CCE@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well ED, it's like this. I joined the League because it was the preeminent organization in ham radio. QST used to come to my door every day filled with articles of interest. Lately, that is not true. The number of construction articles has diminished. The number of operating articles has dropped off. What we are left with is a magazine filled with organizational news.

I'm, sorry, I bought a Life Membership in the NRA long before I could afford one in the ARRL. I have seen the same thing in their magazine. Fewer and fewer articles about funs and more about activities that I will almost never be able to attend. More organizational news!

Then along comes the direct mail pieces. Now the NRA is in trouble, at least in some views. Guns are not popular among the citizenry. They claim to need extra money to support their fight against the anti gun forces. I ask you, does ham radio face such a challenge? Are our privileges in danger of being revoked. Will thousands of dollars of our equipment suddenly become illegal? Will it loose its value? I don't think so.

The NRA uses its direct mail advertising to support its life. The League use it to support a few extra ideals. There is a difference. However, if I knew this would occur when I bought my Life Memberships, I would never have bought either! Id I think what is going on is worthy of support I will support it. Otherwise the mail hits the round file shortly after it is delivered. This applies to both the League and the NRA!

73

-----  
Date: Fri, 30 Nov 2001 06:30:48 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: Lee Mairs <lmairs@cox.rr.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [113431] Re: The REAL virus  
Message-ID: <3C076DE8.26525368@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Lee,

I remember when IBM tried to get C/PM as its operating system. If they had succeeded perhaps computing would have a different face. C/PM was a more difficult system to learn and use, much more machine oriented. I had a C/PM card for my Apple II! But IBM wasn't able to make it happen, so they went to see Bill Gates. His only claim to fame at he time was BASIC for small machines. The rest is history!

73

-----  
Date: Fri, 30 Nov 2001 07:05:52 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: hoglund@wfu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [113432] Re: Strolling Memory Lane (not OT)  
Message-ID: <3C07761F.D2454E65@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ken,

I can fill in some information.

>

> Radiokit, Pelham, NH

>

Was active with some very good kits for a long while. I think they went the way of many other vendors when their owner got old and tired.

>  
> Tejas RF Technology, Houston, TX (Nov '93 QST has very positive review  
> of 40m version of Backpacker II)  
>  
K5BDZ is still found on this reflector. The company stopped making  
radios some time ago. I suspect the reason was that the face of QRP had  
changed. Radios were becoming more sophisticated. The same thing hit  
MXM too. I have an 80 meter unit.  
>  
> Bruce Williams, WA6IVC, Smithville, TX (call sign no longer active)  
>  
Since I currently own MXM I guess I am in the best position to comment  
on this one. Bruce Williams passed away back in 1995. I bought the  
business from his widow. Bruce was a very good friend of mine and  
former boss. The entire business is in two large boxes in a closet. I  
have never pursued other designs.  
Bruce was the first QRP designer to use double conversion in his  
receivers. The attendant improvement in selectivity for a simple radio  
has to be experienced to be believed. False statements by some authors  
who did not understand the radio's design hurt his marketing efforts!  
>  
> Also, the revered W1FB Doug DeMaw is on some lists as a supplier of CW  
> qrp kits???  
>  
Doug dabbled in the kit field after he retired from the League. The  
business was run by his son. It was eventually sold.

73

-----  
Date: Fri, 30 Nov 2001 07:17:57 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: lewise@txwises.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [113433] Re: Small antenna problem... Query...  
Message-ID: <3C0778F5.E5071040@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Larry,

Unless the sailplane is being operated in the experimental class I would  
be very careful about "tearing into the structure". You are not a  
certified A&E, and could compromise the plane's license, nor do you run  
a certified radio shop!

Antennas for these applications are often not resonant at the particular frequency in the aircraft band that you want. The aircraft band is large. some of it is never used to transmit by an aircraft, only to receive. Gliders use specific frequencies for their transmissions.

At any rate, the thing he should be worried about is coverage, not SWR. The radio will have some sort of SWR protection built in. The pattern can be tested by operating the radio and using a field strength meter. Remember, he will be heard farther than you can believe, even with high SWR, because of his altitude!

73

-----  
Date: Fri, 30 Nov 2001 07:29:07 -0500  
From: Tim ORourke <TORourke@KaiserFT.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [113434] Nice Fox  
Message-ID: <0514B74864ACD511934400508BBB5E3401E16A@EMAIL1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

W8RU FB fox, slowed down for an old duffer. S9+10 on K2 hr in NC.  
72 Tim KG4CHX

-----  
Date: Fri, 30 Nov 2001 08:05:40 -0500  
From: "Michael C. Boatright" <ko4wx@mindspring.com>  
To: qrp-l@lehigh.edu  
Cc: hoglund@wfu.edu  
Subject: [113435] Re: VX0 Question  
Message-ID: <5.0.2.1.2.20011130080051.01c63c80@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Check out the International Crystal web page for some great info about and how capacitance (and inductance) can affect the actual operating frequency of a crystal. The frequency shift is predictable, if you know certain parameters of a crystal. Even if you don't know the exact parameters, you can make educated guesses based on typical values. The shift is in PPM, which as many have observed, means the higher you go in frequency, the bigger the shift in frequency for the same number of PPM.

There's some interesting stuff to read there. <http://www.icmfg.com/tech.html>



72 de Mike, K04WX  
Michael C. Boatright

-----  
Date: Fri, 30 Nov 2001 08:18:37 -0500  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Bruce Muscolino <w6toy@erols.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [113436] Re: Strolling Memory Lane (not OT)  
Message-ID: <3C07872D.D634225A@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bruce--

Thanks so much! This is exactly the kind of information I was hoping we could all benefit from. Just a few questions:

> > Radiokit, Pelham, NH  
> >  
> Was active with some very good kits for a long while.

Any sense of how 'long' the while was? What made the kits good, i.e. any particular design features that caused them to stand out? Maybe someone out there in qrp-land has one they could comment on???

> > Tejas RF Technology, Houston, TX (Nov '93 QST has very positive review  
> > of 40m version of Backpacker II)  
> >  
> K5BDZ is still found on this reflector. The company stopped making  
> radios some time ago.

The QST review was highly laudatory of both receiver and transmitter design in this unit. Maybe there just wasn't enough of a market then??? I notice some of our most active clubs (NorCal and NJQRP) came into existence round the early '90s so the formation of a clear market may have just been beginning?? Some of the folks 'present at creation' can maybe offer some insights.

> > Bruce Williams, WA6IVC, Smithville, TX (call sign no longer active)  
> >  
> Since I currently own MXM I guess I am in the best position to comment  
> on this one. Bruce Williams passed away back in 1995. I bought the  
> business from his widow. Bruce was a very good friend of mine and  
> former boss. The entire business is in two large boxes in a closet. I

> have never pursued other designs.  
> Bruce was the first QRP designer to use double conversion in his  
> receivers. The attendant improvement in selectivity for a simple radio  
> has to be experienced to be believed.

> Bruce, this is gold! What I'd like to see done (ok, I'll do it myself if  
> need be) is collect some of this information together on these various  
> efforts and early kits and put it in one place--maybe the reflector  
> website? Anyway, could you write up a paragraph or two on how Bruce  
> developed an interest in qrp, what gave him the idea of double conversion  
> receivers (was there a technological development that made an inexpensive  
> kit possible?), etc.

> >  
> > Also, the revered W1FB Doug DeMaw is on some lists as a supplier of CW  
> > qrp kits???

> >  
> Doug dabbled in the kit field after he retired from the League. The  
> business was run by his son. It was eventually sold.

>

I've seen two versions of this. One that he founded Oak Hills as a way to  
market his kits, the other than he had a distinct operation and then sold  
the effort to OHR. Maybe someone out there is in the know?

Thanks Bruce.

73

Ken KG4FGC

-----  
Date: Fri, 30 Nov 2001 08:26:01 -0500  
From: John Wagner <john@wagner-usa.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [113437] FOX Report  
Message-ID: <3C0788E9.26DED713@wagner-usa.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Will get the log out later this evening or tomorrow. Things were pretty  
hectic here last night - what a wall of sound! Hit a nice stride about  
an hour into it only to be hit by the buzzsaw of QRM for about 10  
minutes and couldn't hear anyone! Glad I stayed in the game 'cause the  
last ten minutes were pretty productive. QSB was bad in the second hour  
too. Thought I copied a CA for one QTH, definately a bunch of C0's and a

couple NM's (and let's not get into those pesky Texans, who I think I may have pelted about 20!). Got SD, which I think is a new one for me (is there ANYONE in WY on this list???)

Thrill of the night for me was N2WW, Larry in CO - one of my all time favorite foxes to work. Great to be on the other end of a fox pelt for Larry. If you want to hear someone "conduct" a hunt, give Larry a listen and call next time he's on.

Looks like about 85 Q's or so.

Thanks again,

73 de John, N1Q0

--

John Wagner - john@wagner-usa.net

Web page: <http://www.neknetwork.com>

-----  
Date: Fri, 30 Nov 2001 13:26:58  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-1@lehigh.edu>, "Thom Durfee WI8W" <wi8w@arrl.net>  
Subject: [113438] Re: Small antenna problem... Query...  
Message-ID: <20011130132326.XXJU18411.io@ape>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Thom:

Yep.. that sounds like a plan alright, and I do understand....

However, since we are constrained on the length of the coax to some degree, I'll try to replace that coax length with lumped constant elements....

And, for trial and error I guess I'll go longer rather than shorter, just to avoid cutting the coax...When I get a coax length that tunes, I should be able to figure out a lumped constant equivalent of the extension....

Thanks for the info...

Larry KA5T  
Georgetown, Texas

-----  
Date: Fri, 30 Nov 2001 13:26:48  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-1@lehigh.edu>, "Bruce Muscolino" <w6toy@erols.com>  
Subject: [113439] Re: Small antenna problem... Query...  
Message-ID: <20011130132121.UZDA1977.europa@ape>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Bruce:

Yes, of course...

thanks,

Larry KA5T  
Georgetown, Texas

-----  
Date: Fri, 30 Nov 2001 13:28:12  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-1@lehigh.edu>, "Michael Goins" <mgoins@usa.net>  
Subject: [113440] Re: [Small antenna problem... Query...]  
Message-ID: <20011130132439.XXVU18411.io@ape>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Mike;

Yep...That's the backup plan if we can't get the installed antenna perking...

Thanks,

Larry KA5T  
Georgetown, Texas

-----  
Date: Fri, 30 Nov 2001 13:28:46  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-1@lehigh.edu>,  
"Ron@MidAmericaBreedingTech.com" <Ron@MidAmericaBreedingTech.com>  
Subject: [113441] Re: Small antenna problem... Query...  
Message-ID: <20011130132320.UZYX1977.europa@ape>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Ron...

Yes, I hoping that that is the case....  
The dipole is an option that we have been thinking about...

Thanks...

Larry KA5T

On Fri, 30 Nov 2001 00:11:36 -0600, Ron Keener wrote:

>Larry - if I read your message correctly you only need air to immediate  
>vicinity ground communications - if so even as little as one watt  
>actually getting to the antenna should work like gang busters - a  
>matching circuit could burn up 4 watts in heat and still provide that  
>  
>since the plane is fiberglass you could tape a wire dipole anywhere  
>inside the fuselage and it would work fine without a matching circuit as  
>long as the feed line is a 1/2 wave multiple

>  
>73 ron wa0ree

-----  
Date: Fri, 30 Nov 2001 06:37:02 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [113442] Re: Inductance meter  
Message-ID: <Pine.LNX.4.33.0111300630110.1411-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you can afford or have any of the MFJ Antenna analysers then get/find a 100 pf capacitor of 1% accuracy and put that in series with your inductor and measure the frequency at resonance when  $r=0$  or a low value. If yours lets you measure R then you get the Q of the inductor as well.

The equations for getting L and Q are left as homework for the next class session.

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Fri, 30 Nov 2001 08:49:37 EST  
From: K8ff@aol.com  
To: qrp-l@lehigh.edu  
Subject: [113443] Cleaning shack  
Message-ID: <112.88894f0.2938e871@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The following are extra to my needs and available for sale.

1. HW-8 Excellent condition with the following mods and all manuals and doc for mods. S0239 antenna connector, 100 khz marker generator, dail lights, MFJ CW filter, S meter all work great. \$120 plus UPS
2. Time Wave DSP9+ with 3.03A firmware, excellent condition \$100 plus UPS
3. Palstar active antenna (RX only) model AA30, like new used twice \$45 plus UPS
4. Heathkit HW32A with HP23A PS and matching HS24 speaker. Collector condition, works great. Best offer plus UPS
5. Heathkit DX40 with VF1 VFO good condition with repainted cabinet, original front panels. Very clean, looks good, not sure of operation since I never tried it. Acquired in a trade. Best offer plus UPS.

If interested please email or call at (800)307-7297 during business hours EST

Regards, Wayne K8FF

-----  
Date: Fri, 30 Nov 2001 13:49:54 GMT  
From: Thomas Jennings <jennings@eznet.net>  
To: qrp-l@lehigh.edu  
Subject: [113444] Fox: No Pelt Last Night  
Message-ID: <20011130134954.19939.qmail@eznet.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"

Hounds!

Both foxes were just too weak in WNY last night just over the noise and very often covered up by hounds on fox's xmit freq. So no pelt for me :(

gl es 73  
tom kv2x

-----  
Date: Fri, 30 Nov 2001 13:41:52 +0000 (UTC)  
From: Joe Reed <joe@n9jr.dyndns.org>  
To: Kenneth Hoglund <hoglund@wfu.edu>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [113445] Re: Strolling Memory Lane (not OT)  
Message-ID: <Pine.LNX.4.33.0111301337280.10611-100000@n9jr.dyndns.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 29 Nov 2001, Kenneth Hoglund wrote:

> 642 Kits, Spartanburg, SC

I remember this kit maker well. I had the opportunity to build one of these some years ago. Derived from a Gary Breed design, a nice little monoband radio. The varactor tuner gave plenty of tuning range.

Well designed, and with fine instructions. He even wound the toroids. It seems like such a long time ago! I must still have it somewhere kicking around.

Joe N9JR

-----  
Date: Fri, 30 Nov 2001 07:09:43 -0700  
From: "Steve/n0tu" <n0tu@qsl.net>  
To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [113446] Re: TT2 update  
Message-ID: <00ba01c179a8\$caa8a0c0\$6a211d82@cos.agilent.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

A lot of you asked about my TT2 label, I used the computer/printer and colored in the type with pens. Stuck it on the "Deviled Ham" tin using double sided tape.

The WAS list is part of label. I created one years ago and kept it taped to the desk to track my WAS status. Can you believe it I've never pursed the final certificate!? I guess I'm not a paper collector ...if I know I've done it it's good enough for me, I shy away from the award thing anyway it's just more paper work which takes away from my operating time!

Regarding WAS schedules: Thanks so much for all the offers for new states!! WOW! I was overwhelmed with all the unsolicited offers/responses! I'll contact you individually and work out a day /time/freq. ASAP! (work schedule permitting)



Also plan to do some antenna work this weekend and may be able to raise the apex of CFZ another 20' which I'm sure will help the 200mW be heard a lil better.

Thanks for your support and encouragement! ~ Steve/n0tu ~

> The thrill of knocking off new states with the lil' TT2 is still strong  
> after a week of staucking 7040.1 for folks with good ears. I must say,  
> Steve/VE7SL's record of WAS/TT2 is truly amazing! He is amoung others one  
of  
> my QRP Heros! I don't think have the skill, patience or desire to nail all  
> 50 states but still ...it's a kick to see what 200 mW will do! Here's a  
pic  
> of my finished TT2 (link below). As you can see I've many more states to X  
> out. Only 10 worked so far. Each QS0 was like the novice days ...got kinda  
> excited and nervous hoping not to loose 'em. But lots of QRN lately on  
40?  
>  
> ~ Steve/n0tu ~  
>  
> <http://www.qsl.net/n0tu/images/TT2A.JPG>  
>

-----  
Date: Fri, 30 Nov 2001 09:29:24 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: "James R. Duffey" <jamesd1@flash.net>  
Cc: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [113447] Re: Coax Loss  
Message-ID: <1011030092924.JAA11448@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 11/29/01 11:07 PM, James R. Duffey at jamesd1@flash.net wrote:

>Bill - Thanks for your comments on my post.  
>  
>I am afraid we are quibling over nits, or at least tenths of decibels.

But, it's so much FUN!

Seriously, though, I don't think I ever learn so much as when one of my assumptions is challenged.

>I would, however like to explain my motivation for the post and my choice of

>parameters and examples.

>

>I was concerned that some members of the list would take your statement  
>literally that 50 Ohm coax has less loss than 75 Ohm coax, and avoid 75 Ohm  
>coax for that reason. Of course losses depend on the construction and on the  
>antenna load. I think that we agree on this.

Absolutely, 100% in agreement.

>As to my choice of the same diameter inner conductor as "similar  
>construction", I did that because the main loss mechanism of coax at HF is  
>the  $(i \cdot 2) \cdot R$  loss in the inner conductor.

Agreed 100%.

Interesting that MY choice of similar construction had to do with same  
diameter OUTER conductor.

But, when I sat down and actually looked at tables of cable  
specifications -- everything is all over the map! Some cable types have  
virtually the same inner conductor, some have the same outer conductor.  
Some aren't anything alike.

>One can not use "identical  
>construction" in comparing the two coaxes as then the impedances would be  
>the same. I had earlier prefaced my discussion with the statement "Comparing  
>50 Ohm and 75 Ohm coax with equal diameter center conductors..." . I  
>apologise for not repeating it later. I also meant to assume that the  
>dielectric material would be the same when I said similar construction. Of  
>course, your choice of equal outer diameters is also a valid cm[arision as  
>that dimension drives the cost.

>

>I chose to compare the RG-6 cable because that is what I believe Bob is  
>using; he describes "quad shield" CATV 75 Ohm coax in the post you replied  
>to, and has posted on this list often about using this cable. I felt that  
>using that coax as an example would be helpful to Bob in ascertaining his  
>situation. I think that RG-6 is about the same price as RG-58.

Again, much of this decision rests of cost. If he can get quad-sheilded  
RG-6 for peanuts, then by all means, he should use it instead of RG-58,  
or even RG-8 that he has to pay top dollar for.

>Of course, the actual impedance of the antenna being matched should drive  
>the choice of coax impedance. A glance at Figure 1, page 3-2, Chapter 3 of  
>the 19 th edition shows that for a dipole over real (lossy) ground, 75 Ohm  
>coax is probably a better choice than 50 Ohm coax, although there isn't a  
>vast difference. Between heights of 0 and 1 wavelength, The dipole  
>impedance reaches a maximum of 98 Ohms and minimum of 45 Ohms. This

>corresponds to a maximum SWR on the 75 Ohm coax of about 1.6 to 1 and a  
>maximum SWR on the 50 Ohm coax of slightly less than 2 to 1. So for this  
>example, the 75 Ohm coax will have a slight, but measureable advantage, if  
>the matched line losses are equal.

As we can both see from the SWR loss charts, for short runs of either  
coax, the additional losses incurred by the mismatch are inconsequential  
at 10 MHz. At 30 MHz, they might become something to be concerned about,  
but not at 10 MHz.

>Of some interest to a professional data hunter/gatherer/analyzer like myself  
>is to compare the losses of transmission lines with the roughly the same  
>diameter center conductor, but different impedances. Referring to the  
>transmission line table in The Antenna Book:

>

>At 10 MHz and #22 gauge center conductor, Polyethylene dielectric (unless  
>otherwise specified);

>

>

>300 Ohm twinlead	300 Ohm	0.3 dB	(actually 20 gauge)
>RG-63B	125 Ohm	0.5 dB	
>RG-62A	93 Ohm	0.9 dB	
>RG-59B	75 Ohm	1.0 dB	(#20 center conductor)
>RG-58	50 Ohm	1.1 dB	(#20 center conductor)

>

>The twin lead has roughly twice the loss as coax of the same diameter inner  
>conductor would have, but is included as an interesting data point.

Twice the loss? 0.3 dB seems to be a lot LESS than either RG-59 or -58.  
About a third.

>The trend is clear, if the conductor that drives the transmission line loss  
>is approximately the same, then higher impedance transmission lines have  
>lower losses.

Lower MATCHED losses. That makes sense, because, as we agreed, the  
driving element at HF is the  $I^2R$  loss. The higher impedance makes for  
less current, which means less loss.

>My point is that Bob, and most of the members of this list don't have to  
>worry about using 75 Ohm coax instead of 50 Ohm coax as long as the cables  
>have comparable matched losses and are of quality construction.

And my point is that no one should go out and BUY 75 ohm coax for a 50  
ohm antenna. It's one thing if you can get it a lot cheaper, or free. But  
if the costs are the same, you're better off with the stuff that matches  
your antenna.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 30 Nov 2001 09:32:51 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <brian@iquest.net>,  
      "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113448] Re: FS Posting  
Message-ID: <1011030093252.JAA11935@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 11/28/01 7:50 PM, Brian Murrey at brian@iquest.net wrote:

>Which is it? IMMUNE or just MORE IMMUNE? Unix, the operating system of the  
>future...for the last 28 years. Oh please give me a break.  
>  
>Get a Mac.

Yea, but if you have MacOS X, it's got Unix underneath the covers. It  
makes the distinction a bit more confusing....

As a long-time Mac user, I see plenty of attachments with hidden .pif and  
.scr extensions, just waiting to infect some poor-unsuspecting user. Of  
course, having a Mac, and not have VBScript, I'm entirely immune to such  
attacks.

The only thing they do is take up a lot of space at my ISPs mail  
server....

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 30 Nov 2001 09:37:36 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <wb8rcr@arrl.net>,  
      "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113449] Re: FS Posting

Message-ID: <1011030093736.JAA12579@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 11/28/01 8:26 PM, John J. McDonough at wb8rcr@arrl.net wrote:

>IIS is another animal. There the number of flaws that have shown up -is-  
>incredible. I think for several years now there has been at least one a  
>day, and a serious exploit (when an attacker can take over the server) about  
>once a week. A pretty stark contrast to Apache, who until this year has had  
>more servers out there than M\$. The last serious Apache exploit was in  
>1998.

Two data points.

About a month ago, the Gartner group issued a report recommending that people move AWAY from IIS. This was because of all the security problems associated with IIS.

Some years ago, the US Army got tired of their site being hacked repeatedly. So, they decided to move to the one system that couldn't be hacked: A Mac running WebStar. Now, mind, this is classic MacOS running WebStar. The older MacOS isn't designed as a server OS at all, and WebStar doesn't scale tremendously, either. But, you know, a slow server that stays up is better than a fast one that's always down.

Of course, modern Macs would run MacOS X or MacOS X Server with Apache, typically.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
    -- Wilbur Wright, 1901

-----  
Date: Fri, 30 Nov 2001 09:50:21 -0500  
From: "AI2Q Alex" <ai2q@adelphia.net>  
To: <k3tks@u1.abs.net>,  
    "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113450] RE: Speaking of 9 Volt Batteries  
Message-ID: <000601c179ae\$56326c20\$6401a8c0@alex>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've been following this thread with some interest, being as I'm in the process of building a metered power source for my old battery-type radios, of which I have about a half dozen.

My source uses a Zener string for the various B+ voltages from 22-V to 150-V (i.e. 67.5-V and 90-V), and an LM350 for a variable DC filament supply up to 7-V at 3-A. it also includes a separate LM317 regulator for variable C- up to 20-V DC at about 150 mA.

It's not finished yet, but it uses floating regulators for all three voltages in order to keep hum under control. The big problem in building a project like this is finding a suitable power transformer (or transformers).

As I was leaving a hamfest last year, some guy tried to foist some unknown dubious-looking iron and copper on me---and I took him up on his offer. The big xfmr he freely bestowed (he didn't want to lug this stuff home) turned out to have a 300-V winding, a 35-V winding (perfect for the bias source), and two 6-V windings (series up for the filament supply). BTW, the windings were NOT color coded.

I can't wait to fire up some of my 1920s and 1930s battery operated sets.

Don't you just love junk!

== Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of George Gingell

Sent: Thursday, November 29, 2001 10:48 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Speaking of 9 Volt Batteries

I thought 510 Volts a bit High for "B" Batteries, So I went on an Hour Long Search of the Library, to see what I could find on "B" Batteries.

I went back as far as the 1943 A.R.R.L. Handbook (I was 1 Yr. Old then :^}

I actually found a Battery Table in the 1947 HB on page 385.

45 Volt # 386 Weight 14 Pounds.

45 Volt # 455 8 Lbs. 6 Oz. (5 Hr at 70 MA)

67.5 Volt #467 (5 Hrs at 70MA)

I found an advertisement for Burgess Batteries Z30NX 45 Volt 1 Lb 4 Oz

In the RSGB Handbook, I found Eveready (GB) B106 = 45V B1702 = ^60 V  
B126 = 90V

In an old Mobile Handbook, I found some interesting Portable (QRP) rigs.

One used a 3 V Battery for Filaments (2) 45 Volts for RX and (2) 67.5  
Volts for TX

RCA VS013 45V Burgess Z30NX 45V RCA VS-216 67.5V

What totally amazed me was the fact that I could not find a Battery Chart  
in The ARRL HANDBOOKs of recent times. Even the Old ones only had the One  
which showed expected current capacity of mostly 45 Volt Batteries.

I even looked in Some Old Fair Radio Sales Catalogs for Military Surplus  
"B" Batteries.

Where OH!, Where is my Allied Radio Catalog when I need it?

Not nearly as old as The Yellow Rose of Texas, But the Highest that I  
could find was 90 Volts. I do seem to recall 135V, but not sure from when  
or where. I do remember using the 67.V job. I recall a Leather Cased AM  
Portable (Wards?) that ate them up. Or so it seemed to a kid at the time.

I don't recall "Lick Testing" one either. I had enough StarPower  
Experience with TV Transformers. :^}

Funny how memory of things changes over the years. :^}

Still a lot more interesting than the other more recent OT Threads.

I finally figured it out 340 X 1.5V Cells = 510 V. I can't seem to come  
up with another good combination of Known Batteries to make 510 Volts.

More Curious as to what its purpose would have been?

If I could only find my OLD CATALOG Collection? I'll bet B-A Would have  
had them...

George, I had to laugh at "NETXQRP" I keep meaning to ask if that was another List that I should join. NET X QRP :^} It finally dawned on me that it was N.E. Texas QRP Club :^}

OBTW I found a bit more on Diode (Vt) in RSGB Handbook. .3V @ 20ma Ge and .8V @ 20ma for Si.

I still have not found my Solid State Design Handbooks. (W7ZOI) I know that it had considerably more info on Diode Detectors for RF Measurement in it.

So much for Memory Lane... OBTW I found My Old HRO in the 47 HB :^}

Wish I still had it.. Anyone receiving a Free Shortwave Radio from a Lady in Rockville, MD please Step Forward (Abt 1960-62). :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Fri, 30 Nov 2001 10:01:50 -0500  
From: "John Harper AE5X" <ae5x@qsl.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [113451] Re: Strolling Memory Lane (not OT)  
Message-ID: <000301c179af\$f162b460\$3edfa7ac@oemcomputer>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>Can any of the om's out there offer some memories about the following  
>kits that I have seen in old lists, but never have heard much about,  
>never mind ever seen:  
>Also, the revered W1FB Doug DeMaw is on some lists as a supplier of CW  
>qrp kits???  
>Let's see if we can't recover something of our glorious (?) past.

>73  
>Ken KG4FGC

One of the first kits I built was a 5 watt amp from W1FB. He used to offer kits of several of the projects/circuits described in his QRP books. This was probably back in 1988-89. The kit worked great - included with it was a 4-sheet tutorial on how to wind torroids and broadband transformers and a hand-written note welcoming me to QRP. I still have all of it.

John Harper AE5X  
Outdoor QRP: <http://www.qsl.net/ae5x>

-----  
Date: Fri, 30 Nov 2001 10:00:50 -0500 (EST)  
From: baltimoremd@baltimoremd.com  
To: Kenneth Hoglund <hoglund@wfu.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [113452] Re: Strolling Memory Lane (not OT)  
Message-ID: <20011130095629.A4314-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 30 Nov 2001, Kenneth Hoglund wrote:

>  
> > Bruce, this is gold! What I'd like to see done (ok, I'll do it myself if  
> > need be) is collect some of this information together on these various  
> > efforts and early kits and put it in one place

I'll be happy to give you as much space as you need on the QRP Web Ring home page.

Thom  
baltimoremd@baltimoremd.com  
<http://www.baltimoremd.com/>  
<http://www.baltimorehon.com/>  
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster  
Baltimore's Home Page  
Home of the Baltimore Lexicon  
Home of The QRP Web Ring  
and Drake Mail List Pages

-----  
Date: Fri, 30 Nov 2001 10:21:23 EST  
From: AA3BP@aol.com  
To: qrp-l@lehigh.edu  
Subject: [113453] Blocking Incoming Messages  
Message-ID: <62.171ec433.2938fdf3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Can any of you AOL users tell me if it is possible to selectively filter (i.e., block) incoming qrp-l posts coming from a specific address? I know AOL won't allow for filters based on the subject, but am wondering if it can be done by sender.

When I logged on today I had 19 qrp-l messages of which 11 being from a single list member. With this rate being typical over the past few weeks, I'm looking for an automated option.

Tnx!  
Jim  
AA3BP

-----  
Date: Fri, 30 Nov 2001 08:28:49 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>, leon\_heller@hotmail.com,  
Kent Torell <Kent\_Torell-P12255@email.mot.com>  
Subject: [113454] 13.5 MHz. Crystals Design Data Available  
Message-ID: <3C07A5B1.2301CBE4@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue:

Recently on this list, there was a discussion about how best to utilize the 13.5 MHz. crystals that are available at the Electronic

Goldmine store. These crystals are priced at \$4.00 (& S/H) for 300!  
That is no misprint, 300 for \$4.00.

They are available at:

<http://www.goldmine-elec.com/>

Telephone 1-800-445-0697

FAX 480-661-8259

Postal address PO Box 5408 Scottsdale AZ 85261

Electronic mail General Information:

[goldmine-elec@goldmine-elec.com](mailto:goldmine-elec@goldmine-elec.com)

The folks involved in this discussion decided that the crystals needed to be characterized, that is the parameters needed to be measured in order to be able to develop circuits and applications for these little gems.

I am happy to report that a full set of measured parameters are now available from me. Just send me an E-MAIL request, and I will reply with an attachment that will be in the form of an EXCEL spreadsheet.

The work was done by fellow ScQRPion Kent Torell in a well equipped LAB from 20 sample crystals that I sent to him early in the week. Thanks Kent!

I have NO link whatsoever with Electronic Goldmine, even though they are located about a 45 minute drive from my home QTH. I have to buy my merchandise from them and have it shipped to just as everyone else does, as they do not have a store front and are strictly mail order only. I am just a very happy customer, and have never been disappointed in the years that I have dealt with them.

-----  
Date: Fri, 30 Nov 2001 10:35:41 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <dave@redhotradio.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113455] Re: CQWW stats  
Message-ID: <1011030103541.KAA18771@gate.iterated.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 11/26/01 9:45 PM, Dave Fifield at [dave@redhotradio.com](mailto:dave@redhotradio.com) wrote:

>By experimentation and listening, I have found that running a freq at  
>any faster than about 28 to 32 wpm will result in less contacts, not

>more. People are reluctant to call you until they have copied your  
>information down, which may take several contacts. If you go off  
>fast at 32wpm +, you end up with lots of listeners waiting for someone  
>else to call in first, so they can get the information without having  
>the embarrassment of asking for a repeat. Result - slower rate.

I've see a somewhat different experience. At the NQ4I #1 USA M/M effort in the 1999 WPX CW, I was operating 10m alternate to Rick, NQ4I. Rick is a seasoned contest operator who generally ran the keyer up around 30-36 wpm. Me? I'm still working on my CW, but I generally ran the keyer around 22-26 wpm.

We CQed on 10m virtually the entire contest. I'd operate for a few hours, then Rick, etc. One thing I noticed -- every time we changed operators, we'd get a flurry of calls. It didn't matter if we hadn't gotten a call in the last 4 or 5 minutes, as soon as the operator changed, 2-3 people would call us in succession.

It also didn't matter if it was Rick or Me. It would appear that the CHANGE in CW speed attracted a different group of callers.

We also changed frequencies. Due to the inter-station interference at the time (think of all the harmonics of the other transmitters low in the band), we had a relatively clear spot at 28.001.250 MHz, and another one much higher in the band. When the other stations at NQ4I would change frequencies, things would sometimes get too noisy and we'd move.

Every time we'd move, we'd get a small flurry of calls. The change in frequency attracted a different group of operators.

The lesson from this -- when things get slow, change your CW speed and/or your frequency.

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 30 Nov 2001 15:39:21 +0000  
From: k8cz@att.net  
To: "Jay Henson" <aj4ay@worldnet.att.net>  
Cc: "QRPL" <qrp-1@lehigh.edu>, "Flying Pigs" <fpqrp-1@mpna.com>  
Subject: [113456] Re: [fpqrp] Truffle Hunt Results  
Message-ID:  
<20011130153926.JMOR15547.mtiwmhc25.worldnet.att.net@webmail.worldnet.att.net>

Sorry I missed the fun. Rain here got into something and I couldn't get my SWR down. Guess I'll spend my WE fixing the ANT. Thought I had things sealed better than that.

--

73,72, 00

FP #41 Fists #2360 ARCI #9606

Norcal ARRL

Hamilton, Ohio

EM79ri

Tom, K8CZ

> My thanks to all that persevered through my nerves tonight. Conditions  
> weren't too bad considering we had bad weather all afternoon.

>

> This is my "first attempt" at a list of contacts for tonight's flying pigs  
> truffle hunt. Please let me know of any errors. I know that I missed a  
> letter in my last contact of the evening. Heaven only knows what else might  
> be wrong.

>

> Time	Call	RST	SPC	Name	Power
> 0132	AF4PS	599	FL	Mac	3w
> 0134	W5YR	559	TX	George	5w
> 0135	N1TP	559	FL	Tom	5w
> 0136	W0CH	559	OK	Dave	900mw
> 0138	WR50	449	TX	Dave	5W
> 0140	N7TX	559	TX	Steve	5w
> 0141	K4BYF	559	FL	Jack	5w
> 0142	KD5KXF	559	TX	Mike	5w
> 0143	W5USJ	559	TX	Chuck	5w
> 0144	K0EVZ	559	ND	Doc	2w
> 0145	WV9N	559	OH	Randy	5w
> 0146	K5DW	559	TX	Don	5w
> 0148	K5JHP	559	TX	Bill	5w
> 0149	W9HL	559	IL	Randy	5w
> 0150	K4ADI	559	SC	Frank	5w
> 0152	NN5E	559	TX	Vern	5w
> 0154	WA8BXN	559	OH	Mike	5w
> 0155	K8KFJ	559	WV	Gary	5w
> 0159	K?4LDY	559	VA	Jim	5w
> 0200	AJ4AY		AL	Jay	5w

>

> I got a little scared at first as there was no one heard for the first  
> couple of minutes. I figured I had the wrong day or time for a while. Then  
> there's my neighbor and fellow oinkster, Mac AF4PS. After that, things got  
> pretty steady. It was nice to hear Doc K0EVZ from ND. If I copied right,  
> he was running 2 watts and I had a very nice copy. The TX folks really  
> turned out big time. Lowest power was Dave W0CH at 900mw in OK.

>

> Logging was by pencil and paper and keying by multi-functional fat fingers.  
>  
> Lesson learned: WRITE the call down before you answer. My brain can only  
> hold so much and trying to remember a call after the exchange did cause a  
> problem a time or two. :-)  
>  
> My best to everyone and 00 ya'll!  
>  
> Jay  
> AJ4AY  
> Mobile, AL  
> FP -115, SOC 220, ARCI 8131, FISTS 7917, QRP-L 1372  
>  
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

-----  
Date: Fri, 30 Nov 2001 10:40:34 -0500  
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
To: bkassel@dancris.com  
Cc: qrp-l@lehigh.edu  
Subject: [113457] Re: 13.5 MHz. Crystals Design Data Available  
Message-ID: <5.0.2.1.1.20011130103715.00a61d90@pop.prodigy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:28 AM 11/30/01 -0700, you wrote:  
>-snip-

> The folks involved in this discussion decided that the crystals needed  
>to be characterized, that is the parameters needed to be measured in  
>order to be able to develop circuits and applications for these little  
>gems.  
>  
> I am happy to report that a full set of measured parameters are now  
>available from me. Just send me an E-MAIL request, and I will reply with  
>an attachment that will be in the form of an EXCEL spreadsheet.

Brain,

I indeed would like to have those parameters. Many thanks!!

>  
> The work was done by fellow ScQRPion Kent Torell in a well equipped  
>LAB from 20 sample crystals that I sent to him early in the week. Thanks  
>Kent!

I'd be happy to run that same set of samples through my setup for correlation. It would be good data to have too.

72 and many thanks,

Jim, K8IQY

-----  
Date: Fri, 30 Nov 2001 10:56:23 EST  
From: Qrpop@aol.com  
To: tentec@contesting.com, qrp-1@lehigh.edu  
Subject: [113458] FS: Ten TEC 509 Argonaut QRP  
Message-ID: <117.88d24ea.29390627@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

For sale: TT 509 Argonaut in very good condition,, 80-10 meters CW & SSB, full output, mic, and Manual. \$210 + help with shipping.  
If interested please contact John, W2IV@arrl.net or Call 716-649-6247  
Tnx for reading 73

-----  
Date: Fri, 30 Nov 2001 10:50:25 -0500  
From: "TheRubins" <hrubin1970@home.com>  
To: <qrp-1@lehigh.edu>  
Subject: [113459] [battery charger] Smart Charger for NiCads  
Message-ID: <NFBBIJLJMLJIHFGJNANDOECCDAA.hrubin1970@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Listees,

I'm in the process of recommending and building the Smart Charger featured in the 1997 ARRL Handbook (previously featured in the September 1994 QST) for a client. I would like to hear of anyone having experience with this circuit and/or the MAX713 device itself. I would also like to contact WB1EOB, Steven Avritch, to determine if the kit of parts and board is still available. It was posted in the handbook at \$30 plus \$3 handling. Does anyone have a forwarding email address?

If not still available, would anyone be interested in building this project

if a professionally designed circuit board and kit of parts could be procured to simplify its construction? My application requires 12 cells, but the circuit can easily be configured for 1-16 cells (1.2 to 19.2 VDC).

Please advise directly to N3FEL@aol.com,

Howard D. Rubin, P.E. N3FEL  
Professional Design Services  
Bensalem, PA

-----  
Date: Fri, 30 Nov 2001 11:10:33 -5  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
To: qrp-l@Lehigh.EDU  
Subject: [113460] Re: Inductance meter  
Message-ID: <200111301609.fAUG9uTQ027826@rhombus.bright.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> In a message dated 11/29/2001 5:51:20 PM Central Standard Time,  
> sdmarko@attglobal.net writes:  
>  
> > Anybody know a few circuits for an inductance meter?  
> > --IMM  
> Look at the SPRAT (GQRP) #72 article...Autumn 1992.  
>  
> Great little circuit. Simple and easy. Kits might be available thru  
> Kanga. Bill K5BDZ

Kits used to be available - but were dropped from what I carry because of lack of demand.... I had about ten, and just sold the last one a couple months back - after 8 years. It was a nice device - but builders here seem to be looking for radio kits rather than test gear.

73 - Bill - N8ET  
Kanga US  
kanga@bright.net  
<http://www.bright.net/~kanga/>  
419-423-4604

-----  
Date: Fri, 30 Nov 2001 11:30:02 -0500  
From: n7dma@mindspring.com  
To: qrp-l@Lehigh.EDU  
Subject: [113461] K1 #919



Message-ID: <Springmail.105.1007137802.0.59385900@www.springmail.com>

It's alive!

I just finished aligning and assembling my K1! Everything looks good here on the bench, the covers are on, feet and serial number stuck in place!

Had one small setback during the assembly was a defective PIC in the filter board, but the good folks at Elecraft were quick to send a replacement, and that one was fine.

One small problem, though. I have to sit here at work for another 6 hours before I can take it home for an on the air test!

It's gonna be a long day!

Karl  
N7DMA

-----  
Date: Fri, 30 Nov 2001 11:53:55 EST  
From: Robsparks@aol.com  
To: qrp-l@lehigh.edu  
Subject: [113462] OT- Circuit board question - Thanks!  
Message-ID: <aa.2975c82.293913a3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Howdy Folks,

Boy, what a great group of hams. I had a lot of input and offers of help from a lot of friendly hams about my PC board question and am currently trying to reply to each one. I hope to put the results on the list very soon. Many thanks to all of you for your help!

Bob Sparks AB5ZD

-----  
Date: Fri, 30 Nov 2001 08:55:31 -0800  
From: "Louie" <lou@harborside.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [113463] Re: K1 #919  
Message-ID: <006001c179bf\$d3eca3e0\$26352d0c@rita>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Poor Baby! (:-(

CUL, 72 & 73

XE2EKK, Lou  
QRP # 10192  
iLink # 3550

----- Original Message -----

From: <n7dma@mindspring.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, November 30, 2001 8:30 AM

Subject: K1 #919

> It's alive!

>

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>

> It's gonna be a long day!

>

> Karl

> N7DMA

>

-----

Date: Fri, 30 Nov 2001 12:17:11 EST

From: NB6M@aol.com

To: QRP-L@lehigh.edu

Subject: [113464] 3.686 Mhz SMK-1 Operation

Message-ID: <a4.1d211ad8.29391917@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi All,

As my crystals for 3.686 Mhz arrived yesterday, I installed them in the 80 Meter SMK-1 and went QRV on that frequency in the evening.

Although there was no action for the first little while, things started to pick up a little later, and, for a while, one QSO led pretty much right into the next. Very satisfying, as the contacts generated were more of the longer, rag-chew type than the shorter, more contact oriented type that quite often develops on the higher bands.

As a side benefit of putting the SMK-1 on 80, obviously because of people reading the posts on this list, I have had some very special QSOs with people I have met face to face, at ham conventions and the like, and it is a real pleasure to talk to them on the air and not only get caught up on what is going on in their lives but to share ideas and developments on their on-going projects as well.

Although there doesn't seem to be anywhere near as much activity on 80 as I remember from the past, there is still enough activity to make it more than worthwhile, and, with a rig operating on a frequency in the old Novice portion of the band, it offers the whole skill range of CW operators to work with. Some of them I find are VERY good high-speed ops, certainly more than challenging my skills, and some of them are in the single digit speed range.

Each and every QSO, though, is special in its own way, and, because the contacts seem to be longer, friendlier ones on 80, I enjoy not only the chance to push the envelope of my own skills with the better ops but the chance as well to help someone else push the envelope of theirs.

Just as a side note, two of the better high speed CW ops I have run into lately were ages 22 and 25! Great to hear them rattling along, and to top that, one of them was a YL!

I am having a lot of fun on 3.686, and not only visiting with friends that I have known for a while and have had many contacts with, but meeting and making new friends as well.

Hope to see you there.

72

Wayne NB6M

-----

Date: Fri, 30 Nov 2001 09:19:26 -0800

From: dave f epps <dave\_epps@juno.com>  
To: NB6M@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [113465] Re: 80 Meter SMK-1  
Message-ID: <200111130.092145.-202553.0.dave\_epps@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Glad to see the qrp activity on 80 mtrs. I am building the SWL-80+ for the Elmer 101 class and there might be others. Gave me a chance to use my new 88 ft ribbon cable ant. with 4 conductor (WE6W design) feedline. At times you were pegging my s-meter. Still using the knot at the center allowing solid wire from feedline to ant and making both sides absolutely equal in length. Using an LDG 4:1 balun with tuner. I will look for you again this evening.

dave ab5pc fresno, ca

On Wed, 28 Nov 2001 16:07:14 EST NB6M@aol.com writes:

>  
> Hi All,  
>  
> Having put one of my SMK-1s on 80 Meters, and while awaiting  
> different  
> crystals, I will be looking for QSOs on 3.579 Mhz this evening.  
> Hope to see  
> you there.  
>  
> Wayne NB6M  
>

---

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<http://dl.www.juno.com/get/web/>.

-----  
Date: Fri, 30 Nov 2001 09:35:39 -0800

From: Jerry Parker <jparker@fix.net>

To: qrp-1@LeHigh.edu

Subject: [113466] NORCAL'S Upcoming December Meeting

Message-ID: <2.2.32.200111130173539.006cb4a4@pop3.norton.antivirus>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRPers, the December meeting of the NorCal QRP Club will be held as usual Sunday December 2nd at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along your latest project to share with the rest of us, we want to see and admire it, probably steal a couple of your ideas in our next project, but we will have fun!

72,  
Doug, KI6DS

-----  
Date: Fri, 30 Nov 2001 12:51:45 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <lou@harborside.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113467] Re: K1 #919  
Message-ID: <001d01c179c7\$b8f1ed40\$6501a8c0@INSYDENT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I know. A REAL Ham would already have figured out how to run an antenna feed through the brick wall with the sealed windows and be operating...

They won't notice that 1/2" hole, right?

Mike

----- Original Message -----

From: "Louie" <lou@harborside.com>

> Poor Baby! (:-(

>

> CUL, 72 & 73

>

> XE2EKK, Lou

>

> ----- Original Message -----

> From: <n7dma@mindspring.com>

>

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> >

> > Karl

> > N7DMA

-----  
Date: Fri, 30 Nov 2001 11:37:27 -0600

From: "Ed Manuel (N5EM)" <n5em@flash.net>

To: qrp-l@lehigh.edu  
Subject: [113468] Re: Inductance meter  
Message-ID: <4.3.2.7.2.20011130113538.00b72930@pop.flash.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:45 PM 11/29/01 -0500, you wrote:  
>Anybody know a few circuits for an inductance meter?  
> --IMM

Check out <http://www.aade.com/> for their L/C Meter. Its a kit but has a high reputation on QRP-L.

Ed, N5EM

-----  
Date: Fri, 30 Nov 2001 11:06:31 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [113469] FOX Cub Fox Web Page  
Message-ID: <Pine.LNX.4.33.0111301103120.2241-100000@cannac.fun>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The lazy webmaster for the Cub Fox Hunts has finally got the web page data up to date. You might notice that the call signs on the Hounds data is in order by the first letter after the numeral. The web site is:

[www.qsl.net/k5di/fox/](http://www.qsl.net/k5di/fox/)

Hope you don't find too many errors.

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.qsl.net/k5di/>

-----  
Date: Fri, 30 Nov 2001 13:04:46 -0500  
From: Ron Majewski <majewski@erim-int.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [113470] FOX: W8RU Preliminary Log 29Nov01

Message-ID: <3C07CA3E.F82DA0@erim-int.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi All,

It was a pretty good night for Fox Hunting. Signals were quite strong and plentiful for the first hour and QRN was very low.

I had found a clear frequency with a kHz of clear space to the low side. However, someone started a QSO about 250 Hz below my calling frequency right after the hunt began so I had to start taking callers from the high side. Sorry about that. It appears that it didn't phase you all too much because a thick pile of callers was moving right along with me. :)

Doc (K0EVZ) got first pelt honors for the evening and he was followed by Earl (VA6RF). The rate meter on my logging software rapidly rose to 84 and then 90 -- the highest I've ever seen while serving as da Fox. It was exciting! I held 90 for about 10 minutes and then the pile thickened up and I had more trouble pulling out callsigns.

The band seemed to change in the second hour. Signal levels dropped off dramatically as did the pile. I could hear a number of callers that I just couldn't pull out. My apologies if you weren't able to get through. QRN never became an issue, and there were just two instances of SSB QRM.

I had a blast! Thanks to all for keeping the hunt orderly. I ended up with 103 QSOs (1 non-hunter) across 30 states and 4 Canadian Provinces. That's really cool for two hours of 40m QRP.

Please get me your log corrections ASAP.

Until my next hunt -- Thanks again, Happy Holidays and 72/3,

Ron (W8RU).

W8RU Preliminary Log, Hunt #11, 29Nov2001

0201	K0EVZ	599	ND	DOC	2W
0201	VA6RF	559	AB	EARL	5W
0202	K4FB	579	FL	PAUL	5W
0202	N0UR	579	MN	JIM	5W
0203	VE3FAL	599	ON	FRED	5W
0203	N5IB	559	LA	JIM	5W



0204	VE6EX	559	AB	DAN	5W
0205	K3IU	559	RI	KEN	5W
0206	KD5KXF	559	TX	MIKE	5W
0207	KB7WW	559	OR	ART	5W
0208	N0TK	559	CO	DAN	5W
0209	NQ7X	559	AZ	FLOYD	5W
0209	W5TB	559	TX	DOC	5W
0210	K9IUA	559	IA	KEVIN	5W
0211	K4ADI	559	SC	FRANK	5W
0211	W0PWE	599	IA	JERRY	5W
0212	N3BJ	559	VA	ALAN	5W
0213	K4MF	559	FL	GARY	5W
0213	KK5LD	559	TX	DAN	5W
0214	KC1FB	559	CT	JIM	5W
0215	K5LN	559	TX	BILL	5W
0216	W7ILW	559	AZ	WALT	5W
0216	K5DW	559	TX	DON	5W
0217	W0UFO	559	MN	MERT	5W
0218	N1TP	569	FL	TOM	5W
0218	N7TX	559	TX	STEVE	5W
0219	K3PH	599	PA	BOB	5W
0220	NK6A	559	CA	DON	5W
0220	W5YA	579	NM	FRED	5W
0221	N0AR	559	MN	SCOTT	5W
0222	K6YO	599			
0222	K4GT	559	GA	JIM	5W
0223	W5YR	559	TX	GEORGE	5W
0224	N0TU	559	CO	STEVE	5W
0225	VE4WI	559	MB	CRAIG	5W
0225	AC5JH	559	OK	TOM	5W
0226	W3CD	559	CA	BOB	5W
0227	N5WL	559	OK	BART	5W
0227	VE5RC	559	SK	BRUCE	5W
0228	VE6KG	559	AB	NORM	5W
0229	KV4EE	559	SC	CRAIG	5W
0230	KC0ATC	559	CO	CHRIS	3W
0230	VE6JAZ	589	AB	ROB	5W
0231	N4MAP	559	GA	SAM	5W
0232	W5USJ	559	TX	CHUCK	5W
0232	KR5C	599	TX	GEORGE	5W
0233	K5JHP	559	TX	BILL	5W
0234	K5DI	559	NM	KARL	5W
0235	AA7XA	559	OR	FRANK	5W
0235	K4BYF	559	FL	JACK	5W
0237	WE9K	559	WI	GLENN	5W
0237	AA5O	559	LA	VERN	5W
0238	W0CH	559	MO	DAVE	900MW
0239	N0HRL	559	MN	KEN	5W

0240	AB0CD	559	CO	DICK	5W
0241	KQ5U	559	TX	TERRY	5W
0242	K8KFJ	599	WV	GARY	5W
0243	NU4N	599	KY	DAVE	5W
0244	AF4PS	579	FL	MAC	3W
0244	W8SFF	559	MI	STEVE	5W
0245	K7TQ	559	ID	RANDY	5W
0246	KG8GW	559	WV	RON	5W
0247	N0IT	579	MO	DAVE	5W
0247	KD7CTF	559	OR	LEE	5W
0248	K7EL	559	OR	DAVE	5W
0250	K8CV	559	MI	WALT	4W
0251	KB1FKL	599	CT	MATT	5W
0252	K5QK	559	LA	DON	5W
0253	K8BHG	599	WV	LEE	5W
0254	N5MF	569	NM	MARK	5W
0255	WR50	559	TX	DAVE	5W
0257	K50I	559	OK	TIM	5W
0257	N1FN	559	CO	ET	5W
0258	N0RC	599	CO	ROD	5W
0259	K0PC	599	MN	PAT	5W
0300	N0DSP	559	CO	TOM	5W
0302	KG6CYN	559	CA	TREV	5W
0304	WD7Z	559	NM	DAVE	5W
0305	WA7LNW	559	UT	JACK	5W
0309	K6III	599	CA	LARRY	5W
0311	NK9G	559	WI	RICK	5W
0313	WA9TZE	339	WI	JIM	5W
0315	N9AW	559	WI	JERRY	5W
0316	AG0T	559	ND	TODD	4W
0318	KG4CHX	559	NC	TIM	5W
0319	K6VNX	559	CA	ARLEN	5W
0321	W9XU	559	WI	LON	5W
0324	KI0II	559	CO	RON	1W
0329	N9NE	559	WI	TODD	5W
0329	K4TJD	559	GA	TOM	5W
0333	KB0LUF	599	CO	PAUL	2W
0333	N10DL	559	NH	ARON	3W
0335	AD6JY	559	CA	DAN	5W
0336	NQ7T	559	WA	GARY	5W
0338	AF4AT	579	NC	JIM	2W
0342	WE9K	559	WI	GLENN	5W
0344	W0RSP	569	SD	ADE	4W
0347	K9DC	559	IN	DAVE	5W
0351	W4NJK	559	CA	CHARLIE	5W
0352	N2WW	559	CO	LARRY	5W
0353	KC0GXX	559	NC	TOM	2W
0355	W8VJW	559	MI	JOHN	5W

0358 KB9YIG 429 IN TONY 5W  
0400 WB6BWZ 579 GA MATT 5W

-----  
Date: Fri, 30 Nov 2001 18:15:38 +0000  
From: Charles Olson <jacksonharbor@att.net>  
To: qrp-1@lehigh.edu  
Subject: [113471] 42 volts and QRP ?  
Message-ID: <20011130181524.NTNC5540.mtiwmhc21.worldnet.att.net@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I keep reading in the electronics trade press that carmakers are seriously considering the increase of the car battery from it's present 12V to (and I may have the details wrong) 42 volts! This increase is supposed to allow easier application of electronics and electrics (solenoids/motors) in braking, engine control and other areas.

I'm wondering how this will affect ham radio and in particular, QRP ?

Nearly all HF rigs on the market are designed to work directly from 12V, even though few actually spend much time in an automobile, so if the auto market increases battery voltage to 42V, will the ham radio manufacturers follow ?

The advantages of a higher car battery voltage for QRO are many, cabling requirements can be lessened, MOSFET output transistors work better at higher voltages, in fact those solid state kilowatt amps will certainly make a comeback.

But are there any advantages for QRP? Maybe a slight increase in receiver dynamic range by increasing the "headroom" of preamplifiers ?

What are the disadvantages of 42V supply voltage for QRP ? Adding a simple LED pilot light to a nominal 42V supply might "cost" nearly a watt, will our favorite junkbox resistors need to increase from 1/4 watt to 1 watt ? ;)

I assume there will be a long time of transition where the auto companies will fully support the old 12V standard - how long did it take to go from 6V to 12V ? I think that we will all come to know and love switching technology that can be used to "pump down" the voltage efficiently (but will it be electrically "quiet" ?).

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press - Ham Radio Kits and more!

Washington Island, WI  
jacksonharbor@att.net  
<<http://jacksonharbor.home.att.net/>>

-----  
Date: Fri, 30 Nov 2001 13:29:12 -0500  
From: Bruce Muscolino <[w6toy@erols.com](mailto:w6toy@erols.com)>  
To: Kenneth Hoglund <[hoglund@wfu.edu](mailto:hoglund@wfu.edu)>  
Cc: Low Power Amateur Radio Discussion <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [113472] Re: Strolling Memory Lane (not OT)  
Message-ID: <[3C07CFF8.180F1EC6@erols.com](mailto:3C07CFF8.180F1EC6@erols.com)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ken,

The QRP market is a very different place now than it was in the early 90's. Radios fall into two distinct categories now, they are either very sophisticated or very simple. The radios that fell into the middle have gone away.

Radio kit was essentially a Ham Radio Magazine creation. Every magazine that published construction articles must have a kit manufacturer if they want their articles to be built and have a life! I don't remember the ham who ran Radio kit, but I do remember seeing their name associated with Ham Radio articles. The last time I saw a reference to Radio kit on this list was a few years ago when someone had a kit that wouldn't work. It was passed around to several of us to try and make it work. I believe Larry East, KA5T got it running.

Tejas RF Technology built a direct conversion transceiver. At that time there was a group who felt DC was OK, and another group who felt superhets were the way to go. Superhets won out, as they did in larger radios because of their better IF filtering. Remember, this was before DSP! The market for a DC transceiver probably dried up. Remember the Heathkit HW7 and HW8 were both DC radios. Nice, but with some problems. The Tejas design was an improvement on a design in Solid State Design.

Doug FDeMaw did, in fact found his company to market his designs after he retired from the League. I don't remember if he sold it directly to OHR or if there was a third party involved.

-----  
Date: Fri, 30 Nov 2001 10:46:23 -0800  
From: "Louie" <lou@harborside.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [113473] Re: K1 #919  
Message-ID: <001a01c179cf\$613d8f20\$11352d0c@rita>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Why don't you get one of those Radio Shack through Glass CB or FM antennas  
and use that????? They work!

CUL, 72 & 73

XE2EKK, Lou  
QRP # 10192  
iLink # 3550

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <lou@harborside.com>; "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>  
Sent: Friday, November 30, 2001 9:51 AM  
Subject: Re: K1 #919

> I know. A REAL Ham would already have figured out how to run an  
> antenna feed through the brick wall with the sealed windows and  
> be operating...

>  
> They won't notice that 1/2" hole, right?

>  
> Mike

>  
> ----- Original Message -----  
> From: "Louie" <lou@harborside.com>

>  
>  
> > Poor Baby!   (:-(  
> >  
> > CUL, 72 & 73

> >  
> > XE2EKK, Lou

> >  
> > ----- Original Message -----

> > From: <n7dma@mindspring.com>  
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> > >  
> > > Karl  
> > > N7DMA  
>  
>  
>

-----  
Date: Fri, 30 Nov 2001 13:55:28 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <jacksonharbor@att.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113474] Re: 42 volts and QRP ?  
Message-ID: <005301c179d0\$a5c69d20\$6501a8c0@INSYDENT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Actually, I think there are two groups pushing right now. One for a 24/28 volt standard, and I think that's Audi and some others. And a 48 volt (I think) standard, with Daimler Chrysler and maybe some other US groups.

Thing is, it would make car electronics simpler, lighter, and more efficient. Car audio systems would benefit immediately.

Top compare this with the 6v to 12v jump of about 40-50 years ago

isn't really valid. Oh, the manufacturers are spouting the same reasons as before, but now they have more technical backing for the change.

On the down side though, there was a very limited user installed base for car systems back then. What plugged into cars? There was a limited number of radio setups, but they were comparatively rare. And aftermarket audio, while it did exist (there was even a turntable you could get back then) was very limited. About the biggest market impact for devices back then was hand held spotlights that plugged into the cigar lighter.

Nowadays there are literally thousands of 'plug in' devices. To the point most manufactures don't even call it a cigar lighter any more, it's an accessory outlet. And they put more than one in a vehicle. And put them where there are no ashtrays, like by the rear door of the Dodge Caravans (for super-light duty compressors to blow up mattresses and beach toys, and yes, even real tire compressors).

I don't think the issue of 12v in a car and the impact on consumers has been fully defined by the manufacturers from what I've read. And I've read absolutely ZERO on high current applications. The stuff that's equivalent of mandating a 'battery connection' for things like 100W Icoms.

Mike

----- Original Message -----

From: "Charles Olson" <jacksonharbor@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 30, 2001 1:15 PM

Subject: 42 volts and QRP ?

> I keep reading in the electronics trade press that carmakers are seriously  
> considering the increase of the car battery from it's present 12V to (and I  
> may have the details wrong) 42 volts! This increase is supposed to allow  
> easier application of electronics and electrics (solenoids/motors) in  
> braking, engine control and other areas.  
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manufacturers  
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> The advantages of a higher car battery voltage for QRO are many,  
cabling  
> requirements can be lessened, MOSFET output transistors work better at  
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> dynamic range by increasing the "headroom" of preamplifiers ?  
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;) )  
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from 6V  
> to 12V ? I'm think that we will all come to know and love switching  
> technology that can be used to "pump down" the voltage efficiently  
(but will  
> it be electrically "quiet" ?).  
>  
> Best Regards,  
>  
> Chuck Olson, WB9KZY  
> Jackson Harbor Press - Ham Radio Kits and more!  
> Washington Island, WI  
> jacksonharbor@att.net  
> <<http://jacksonharbor.home.att.net/>>  
>  
>

-----  
Date: Fri, 30 Nov 2001 13:58:31 -0500  
From: "Ed Tanton" <n4xy@att.net>



To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [113475] RE: 42 volts and QRP ?  
Message-ID: <002901c179d1\$01851830\$efeb5b0c@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Believe it Chuck... 42V (or whatever) IS coming. The primary reason for the higher voltage is the capability to use servos/whatever-as opposed to hydraulic systems-for steering and brakes (which cannot economically / reasonably be done at 12VDC) plus the reduced current (for the same wattage bulb/etc) allowing reduced wiring sizes. This (smaller wires) assuming they do not conquer the Holy Grail of automotive systems design before then: the use of ONE wire-and thereby a single Master Bus-all over, with a smart socket for EVERY bulb, LED, whatever. They'll do the 42VDC either way.

At this stage of the Amateur Radio market... it's anyone's guess whether they'll 'go with the flow' and design new systems. I suspect they will... After all, they can simply regulate down existing receiver & early-stage transmitter circuits, and apply the full 42VDC/whatever only to the drivers and finals.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
Date: Fri, 30 Nov 2001 14:01:16 -0500 (EST)  
From: Dave Gingrich K9DC <gingrich2@dcg.org>  
To: Ron Majewski <majewski@erim-int.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [113476] Re: FOX: W8RU Preliminary Log 29Nov01  
Message-ID: <Pine.LNX.4.30.0111301346490.25345-1000000@tigger.dcg.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 30 Nov 2001, Ron Majewski wrote:

> It was a pretty good night for Fox Hunting. Signals were quite strong  
> and plentiful for the first hour and QRN was very low.

Thanks for the log Ron, and phew! you did hear me correctly. I wasn't absolutely sure that I heard your "TU" after a couple of the "AGN"s.

What a struggle. I could hear everyone else, including the left coast, but you were down on the floor! Indianapolis and Detroit/Pontiac are just too close for reliable late night on 40... but then who said it had to be reliable anyway?

Got 'em both again.

Thanks for hanging in there with me Ron!

Dave K9DC

-----  
Date: Fri, 30 Nov 2001 11:09:01 -0800  
From: Mighty Mik <mightymik2@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113477] Re: 42 volts and QRP ?  
Message-ID: <a05001902b82d866bbe6d@[24.5.193.40]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

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>Washington Island, WI  
>jacksonharbor@att.net  
><<http://jacksonharbor.home.att.net/>>

-----  
Date: Fri, 30 Nov 2001 14:15:11 -0500  
From: "Tim A. King Jr." <[iflyos@hotmail.com](mailto:iflyos@hotmail.com)>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [113478] Re: K1 #919  
Message-ID: <F271W2ufyW0xbCJnEMz0001b664@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hmmm....sounds like a indoor dipole is needed...or at least an open door for the coax run...

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668  
QRPp International #11

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."  
Albert Einstein (1879-1955)

-----Original Message Follows-----  
From: "Mike Yetsko" <myetsko@insydesw.com>  
Reply-To: myetsko@insydesw.com  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: Re: K1 #919  
Date: Fri, 30 Nov 2001 12:51:45 -0500

I know. A REAL Ham would already have figured out how to run an antenna feed through the brick wall with the sealed windows and be operating...

They won't notice that 1/2" hole, right?

Mike

----- Original Message -----  
From: "Louie" <lou@harborside.com>

> Poor Baby! (:-(  
>  
> CUL, 72 & 73  
>  
> XE2EKK, Lou  
>

> ----- Original Message -----  
> From: <n7dma@mindspring.com>  
>  
> > It's alive!  
> >  
> > I just finished aligning and assembling my K1! Everything looks good  
here  
> on the bench, the covers are on, feet and serial number stuck in  
place!  
> >  
> > Had one small setback during the assembly was a defective PIC in the  
> filter board, but the good folks at Elecraft were quick to send a  
> replacement, and that one was fine.  
> >  
> > One small problem, though. I have to sit here at work for another 6  
hours  
> before I can take it home for an on the air test!  
> >  
> > It's gonna be a long day!  
> >  
> > Karl  
> > N7DMA

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----  
Date: Fri, 30 Nov 2001 13:15:39 -0600  
From: "Ed Manuel (N5EM)" <n5em@flash.net>  
To: qrp-l@lehigh.edu  
Subject: [113479] Re: 42 volts and QRP ?  
Message-ID: <4.3.2.7.2.20011130131111.00aaaf00@pop.flash.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:15 PM 11/30/01 +0000, you wrote:

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>easier application of electronics and electrics (solenoids/motors) in  
>braking, engine control and other areas.

>

>I'm wondering how this will affect ham radio and in particular, QRP ?

Actually, this could be a benefit in disguise. Since you will still need 12 vdc (actually, 13.6 or so), a converter will be mandatory. Its likely that every manufacturer will have one as an optional accessory for all the 12 vdc stuff already out there. And, for older cars, there will be add-on converters (probably switching regulators) for you to buy. The good news is that your QRP rig will like the steady source of power compared to the "accessory" outlet that varies with acceleration and engine speed. Also, there are numerous devices that will not charge properly in that "accessory" outlet with the car is turned off because the voltage drops too low.

I think we'll adapt quite nicely. Plus, maybe we'll see a new line of QRP designs that take advantage of the higher voltages! It certainly does give a designer some options.

Bring it on. I can deal.

Ed, N5EM

-----  
Date: Fri, 30 Nov 2001 14:24:50 -0500  
From: "Brice D. Hornback" <bdh@cyberbound.net>  
To: <baltimoremd@baltimoremd.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [113480] Re: Strolling Memory Lane (not OT)  
Message-ID: <03e701c179d4\$aeb1cc80\$7001a8c0@lwrnc1.in.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've already started putting together a "Museum" on the QRPP International Radio Club's web site. Send photos and descriptions to me and I'll get them online.

72/73 DE KA8MAV (Brice)  
Indianapolis, IN EM79au  
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL  
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27  
AOL Instant Messenger ID: ka8mav

QRPP International Radio Club  
Tiny-Tornado Transceiver Kits  
<http://www.QRPP-I.com>

----- Original Message -----

From: <baltimoremd@baltimoremd.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 30, 2001 10:00 AM

Subject: Re: Strolling Memory Lane (not OT)

> On Fri, 30 Nov 2001, Kenneth Hoglund wrote:

>

> >

> > > Bruce, this is gold! What I'd like to see done (ok, I'll do it myself if

> > > need be) is collect some of this information together on these various

> > > efforts and early kits and put it in one place

>

> I'll be happy to give you as much space as you need on the QRP Web Ring

> home page.

>

> Thom

> baltimoremd@baltimoremd.com

> <http://www.baltimoremd.com/>

> <http://www.baltimorehon.com/>

> <http://www.zerobeat.net>

>

>

Thom LaCosta K3HRN Webmaster

Baltimore's Home Page

Home of the Baltimore Lexicon

Home of The QRP Web Ring

and Drake Mail List Pages

-----  
Date: Fri, 30 Nov 2001 14:25:10 -0500

From: "Tim A. King Jr." <iflyos@hotmail.com>

To: jacksonharbor@att.net, qrp-1@Lehigh.EDU

Subject: [113481] Re: 42 volts and QRP ?

Message-ID: <F137b1s7n1T2NqFJ3s100024f95@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I am sure if/when it happens, it will be a long time before we see it. Now, on the other hand, I dare say lawnmowers will still be 12v systems, so there is a lead acid power source.

The military uses 24 VDC in most of its tactical vehicles. 2 batteries in series....it was a simple matter to run a line from one battery to the "civilian" radios we all had and carried to use in the 5-tons and Dueces....I am sure amateurs will figure out a solution to the mobile aspect....

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
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-----Original Message Follows-----

From: Charles Olson <jacksonharbor@att.net>  
Reply-To: jacksonharbor@att.net  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: 42 volts and QRP ?  
Date: Fri, 30 Nov 2001 18:15:38 +0000

I keep reading in the electronics trade press that carmakers are seriously considering the increase of the car battery from it's present 12V to (and I may have the details wrong) 42 volts! This increase is supposed to allow easier application of electronics and electrics (solenoids/motors) in braking, engine control and other areas.

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But are there any advantages for QRP? Maybe a slight increase in receiver dynamic range by increasing the "headroom" of preamplifiers ?

What are the disadvantages of 42V supply voltage for QRP ? Adding a simple



LED pilot light to a nominal 42V supply might "cost" nearly a watt, will our favorite junkbox resistors need to increase from 1/4 watt to 1 watt ? ;)

I assume there will be a long time of transition where the auto companies will fully support the old 12V standard - how long did it take to go from 6V to 12V ? I'm think that we will all come to know and love switching technology that can be used to "pump down" the voltage efficiently (but will it be electrically "quiet" ?).

Best Regards,

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-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----  
Date: Fri, 30 Nov 2001 14:33:50 -0500  
From: <n7dma@mindspring.com>  
To: qrp-l@lehigh.edu  
Subject: [113482] Re: K1 #919  
Message-ID: <Springmail.105.1007148830.0.28886900@www.springmail.com>

Everyone's a comedian! (hi hi!) Don't think the idea of setting up an antenna here at the shop hasn't crossed my mind, and I have tried it in the past. Unfortunately, I work in the power industry, and when you get a couple hundred switching power supplies running under test load condx, the din is deafening! Add to that the 4 PC's in my office, and HF is pretty well shot! (I know, I tried with my SW-20+ and an indoor dipole a couple of weeks ago!)

Besides, as much as I hate to admit it, I do have to work :'(  
Someone has to buy me a KAT1!

I'll be around the watering hole on 40 mtrs tonite, so if anyone hears me, give a call!

Karl  
N7DMA  
-----

Date: Fri, 30 Nov 2001 14:42:01 -0500  
From: "Kwik, Ed " <ed.kwik@delphiauto.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [113483] RE: 42 volts and QRP ?  
Message-ID:  
<9F176F70FD71AC48AFC36F879D2B84E38F3622@tryexch01.NorthAmerica.DelphiAuto.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Yes, there will be a higher battery voltage in the future. From where I sit it looks like 48v for domestic vehicles. The reason has to do with both alternator and battery size and capacity. The amount of electrical power needed is growing faster than the current technology can support. I will be cheaper to go to the higher voltage than water cooled alternators and/or dual alternators. There are a few vehicles on the road that at idle the alternator can not supply enough current to meet the demand and the battery is slowly discharging. Also the I<sup>2</sup>R losses vs. conductor size vs. weight vs. cost of copper play a factor. I would not worry much about electrical noise. With all of the control modules, data busses, in-vehicle entertainment, in-vehicle communications, electrical noise is an issue that gets more attention every year.

Ed AB8DF

-----Original Message-----

From: Mighty Mik [mailto:mightymik2@home.com]  
Sent: Friday, November 30, 2001 2:09 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: 42 volts and QRP ?

We may be seeing the start of a time where 12V will go the way of 6V and the dodo bird. I just ordered a bunch of surplus NiCds that will be rolled into 20 cell 24V packs for a combat robotics application. I also have a couple of 24V power supplies (one a very nice switcher). I understand the move to 42 Volts...and maybe it's time others started becoming aware of it. It may affect QRP (and QRO for that matter) in the same way more of the modern cars have...it may be noisy. In addition to higher voltage, there will be a serial bus running the dash, tail lights, you name it. It remains to be seen how 'quiet' this environment will be. There should be a 'legacy' port to plug your 'old' 12V stuff into.

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>jacksonharbor@att.net  
><<http://jacksonharbor.home.att.net/>>

-----  
  
Date: Fri, 30 Nov 2001 12:31:36 -0800  
From: Russ Carpenter <[russ@natworld.com](mailto:russ@natworld.com)>  
To: QRP-L List <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [113484] Don't Miss the DECEMBER SPARTAN SPRINT ON MONDAY!  
Message-ID: <B82D2CA8.B09E%[russ@natworld.com](mailto:russ@natworld.com)>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

The December Spartan Sprint will be held on December 3, 2001 (which is our standard date--the first Monday of the month). You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST. In terms of UTC, start at 0200 and finish at 0400, Tuesday.
2. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-. (You may operate any number of bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP," or "CQ QRP TEST."
5. You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to [www.natworld.com/ars](http://www.natworld.com/ars) and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at [www.natworld.com/ars/ss\\_log.html](http://www.natworld.com/ars/ss_log.html).

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint. We use decimal pounds, rather than pounds and ounces. You may report your weight to the nearest 10th of a pound, or, at your option, the nearest 100th of a pound. For stations weighing less than one pound, we recommend the nearest 100th of a pound.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station. You may also include your comments from the soapbox. Russ' email address is [russ@natworld.com](mailto:russ@natworld.com).

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

\*\*\*\*\*

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

-----  
Date: Fri, 30 Nov 2001 15:44:36 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [113485] Field strength meter  
Message-ID: <3C07EFB4.EBE29392@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi there,

I was planning on doing some experiments with my magloop this weekend and just realized I don't have a field strength meter. I found some schematics to homebrew one, but when I add up the costs of the individual parts it turns out that the total is quite a bit more than Radioshack's SWR/FS meter (no cost saving junk box here).

Has anyone experiences with this meter? Would it be sufficient and sensitive enough to do some simple measurements at QRP level?

Thanks and 73,

--Alex (KR1ST)

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Date: Fri, 30 Nov 2001 15:41:32 -0500  
From: "Charles Mabbott" <crmabbott@mediaone.net>  
To: "QRP-Post" <qrp-1@Lehigh.EDU>  
Subject: [113486] Da Lions  
Message-ID: <GAECLOGOMILPLBGKKPEGMEFJDAAA.crmabbott@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

For any football fans, with our Lions we have a couple hours  
to now devote to radio.....

#### OUR DETROIT LIONS

Q. What's the difference between the Detroit Lions & the Taliban?

A. The Taliban has a running game

Q. How do the Detroit Lions count to 10?

A. 0-1, 0-2, 0-3, 0-4, 0-5, 0-6, 0-7, 0-8, 0-9, 0-10

Q. How do you keep a Detroit Lion out of your yard?

A. Put up goal posts

Q. Where do you go in Detroit in case of a tornado?

A. To the Silverdome - they never get a touchdown there!

Q. What do you call a Detroit Lion with a Super Bowl ring?

A. A thief

Q. Why doesn't Flint have a professional football team?

A. Because then Detroit would want one

Q. Why was Mornhinweg upset when the Detroit Lions playbook was  
stolen?

A. Because he hadn't finished coloring it.

Q. What's the difference between the Detroit Lions and a dollar  
bill?

A. You can still get four quarters out of a dollar

Q. How many Detroit Lions does it take to win a Super Bowl?

A. Nobody knows and we may never find out!

Q. What do you call 47 people sitting around a TV watching the Super Bowl?

A. The Detroit Lions

Q. What do the Detroit Lions and opossums have in common?

A. Both play dead at home and get killed on the road

Q. How can you tell when the Detroit Lions are going to run the football?

A. The back leaves the huddle with tears in his eyes.

---

Get your FREE download of MSN Explorer at  
<http://explorer.msn.com/intl.asp>

---

Date: Fri, 30 Nov 2001 15:43:31 -0500  
From: "Tim A. King Jr." <iflyos@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [113487] Antenna question  
Message-ID: <F859sC34S9VE3pSIy200001139e@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys,

I know this is controversial topic, but does anyone have experience with CFA antennas? Also, are there any good sites about this antenna? I have found a few, but thought I would ask.

Tim A. King, Jr.  
KG4MQD  
Safety Officer, Hobby Park R/C Aircraft Club  
Winston Salem, NC  
AMA# 578668  
QRPp International #11

Albert Einstein, when asked to describe radio, replied:

"You see, wire telegraph is a kind of a very, very long cat. You pull his

tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."  
Albert Einstein (1879-1955)

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

-----  
Date: Fri, 30 Nov 2001 15:49:13 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [113488] Re: 42 volts and QRP ?  
Message-ID: <3.0.6.32.20011130154913.007a5c80@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Humm, since I never buy a car less than 10 years old, I guess I woun't have to worry about this for some time!

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountians of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Fri, 30 Nov 2001 16:36:42 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [113489] Re: Inductance meter  
Message-ID: <5.0.2.1.0.20011130163323.00af26d0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:37 AM 11/30/2001 -0600, Ed Manuel (N5EM) wrote:  
>At 06:45 PM 11/29/01 -0500, you wrote:  
>>Anybody know a few circuits for an inductance meter?  
>> --IMM  
>  
>Check out <http://www.aade.com/> for their L/C Meter. Its a kit but has a



>high reputation on QRP-L.

>

>Ed, N5EM

>

Mine went together easily and works great!!!!

Pete NV4V

73

-----  
Date: Fri, 30 Nov 2001 13:43:03 -0800

From: "Doug Hendricks" <ki6ds@dph.dpol.net>

To: <qrp-l@Lehigh.EDU>

Subject: [113490] Re: Strolling Memory Lane (not OT) from KI6DS

Message-ID: <012701c179e8\$0040b9e0\$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ok, hear is my contribution. RadioKit was a company ran by Carl Heuther, KM1H whose call was very near a famous qrper named John Collins, KN1H who worked on the design of the original Twofer. Carl has a huge contest station, and sold homebrew Linear amplifiers that put out "LOTS" of power I am told. Guys would work Carl's station, and send their qsl's to John when they copied the call wrong. Guys used to tease him all the time about that.

Carl showed up at Dayton in 1993, (my first trip). He had this cute little transceiver that was a kit of the design that Rick Littlefield did for CQ. I asked him to hook it up as I wanted to try it out. He said he would but he didn't have the right connectors. He was selling kits, didn't have any there, but promised to ship as soon as he got home. He just didn't have time to pack them up before he came, but he gladly took \$200 from me. (Kits were \$100 each, but hey, I had to have 2, one on 40 and one on 20). I remember like it was yesterday going back to the room and telling Jim Cates about buying the kits. Jim asked where they were, and I assured him that Carl was going to ship them "next week" as soon as he got home from Dayton. Jim smiled, and said send me a message when you get your kits.

Well, I got home and waitied and waited. This was when Dayton was in the middle of April. Finally, after 5 weeks, I couldn't stand it. I called Carl. Took about 15 phone calls to find him home. He said that he was sorry that he should have gotten back to me sooner, but the boards weren't in yet. I said, "The boards aren't in yet??? I thought you told me that the kits were all ready to go, you just had to go home and pack them up?". Well, you can see where this is going. Carl finally delivered a kit to me,

one, in August, after I called everyone I could think of to encourage him to keep his contract or give my money back. I was so disgusted when I got the kit that I never built it. The manual was a photocopy of the CQ articles, and the board did not match the kit or schematic. I put it back in the box and put it away.

About a year later, Carl got on qrp-l and called us a bunch of dummies, etc. and said we didn't know anything about QRP or radios. This was after several more guys had ordered radios and never got them. It seems Carl would ship about 10 or so a month, then wouldn't for several months, but he kept taking orders. So, I decided to have a contest. I would take Carl's radio that he was so proud of and see who could get it working. We took signups, and the rules were that you could keep the radio for 7 days, and if you got it working you would win \$100. Larry Wise, KA5T (you got the call right, but the wrong Larry) was the first to tackle the project. He posted his progress everyday. He worked over 80 hours on that radio, and almost, but not quite got it going. He ran out of time, and had to send it to the next guy, Mike Gipe, K1MG. Mike worked on it a couple more days and finally got it going. But Larry and Mike had a horrible time with the kit. Search the archives in 94 I believe, and you will find the details. Excellent reading. Jim Cates has the radio now. It is in his QRP collection, and in fact, he had it at his Pacificon talk.

I know of only 3 RadioKit radios that work. Jim Cates has one. I bought one from Burl Keeton because it belonged to Luke Dodds, W5HKA, who was one of the true gentlemen of QRP. He ranks right up there with Jim Cates and Burl Keeton. The third RadioKit that I know that worked was built by Pete Hoover. Other than those three, I never saw or heard of one that worked.

RadioKit went out of business in QRP because they did not have a good product. They had a horrible manual, the support was awful, and business practices were not like they are today among QRP Vendors. Think of everything that Elecraft and Small Wonder Labs, Kanga US, and all the other vendors are today, and that is what RadioKit was not.

I also don't believe that they had any connection at all with Ham Radio magazine. Carl just made the kit out of the article. Rick Littlefield the designer, did NOT have any affiliation with Carl.

Anyway, that is the story behind RadioKit as I know it. 72, Doug

-----  
Date: Sat, 1 Dec 2001 04:17:25 -0600  
From: "Mike Malone" <mmalone@worldlogon.com>  
To: <john@wagner-usa.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [113491] Re: FOX Report  
Message-ID: <004601c17a51\$60ebf2a0\$77f5a7cc@malonefamily>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Great job last night John, your location was really QRM plagued however.  
Between a qso going on both sides of you and tuning and SSB and then hounds  
it was a real mess. Thanks for the pelt and the fun.

KD5KXF

-----Original Message-----

From: John Wagner <john@wagner-usa.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Friday, November 30, 2001 7:29 AM  
Subject: FOX Report

>Will get the log out later this evening or tomorrow. Things were pretty  
>hectic here last night - what a wall of sound! Hit a nice stride about  
>an hour into it only to be hit by the buzzsaw of QRM for about 10  
>minutes and couldn't hear anyone! Glad I stayed in the game 'cause the  
>last ten minutes were pretty productive. QSB was bad in the second hour  
>too. Thought I copied a CA for one QTH, definately a bunch of CO's and a  
>couple NM's (and let's not get into those pesky Texans, who I think I  
>may have pelted about 20!). Got SD, which I think is a new one for me  
>(is there ANYONE in WY on this list???).

>

>Thrill of the night for me was N2WW, Larry in CO - one of my all time  
>favorite foxes to work. Great to be on the other end of a fox pelt for  
>Larry. If you want to hear someone "conduct" a hunt, give Larry a listen  
>and call next time he's on.

>

>Looks like about 85 Q's or so.

>

>Thanks again,

>

>73 de John, N1QO

>--

>John Wagner - john@wagner-usa.net  
>Web page: <http://www.neknetwork.com>

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Date: Fri, 30 Nov 2001 18:17:16 -0500

From: "Steve Hudson" <sdhudson@cahners.com>  
To: <qrp-1@lehigh.edu>  
Subject: [113492] Help identifying boards  
Message-ID: <000001c179f5\$274eab20\$49aab23f@acpdceditor>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi folks -- While straightening up, I've found a set of boards that appear to be for a QRP rig of some sort. The boards are labelled "TXR-978-TX" and "TXR-978-RX." A third smaller board is labeled "TXR-978-VFO."

Can anyone help me figure out what these may be? Thanks!

Steve AA4BW

-----  
Date: 30 Nov 2001 15:29:11 -0800  
From: w2bj@minsky.info  
To: ki6ds@dph.dpol.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [113493] Re: Strolling Memory Lane (not OT) from KI6DS  
Message-ID: <20011130232911.19578.cpmata@c007.snv.cp.net>  
Content-Type: text/plain  
Content-Disposition: inline  
Mime-Version: 1.0

On Fri, 30 November 2001, "Doug Hendricks" wrote:

>  
> RadioKit was a company ran by Carl Heuther,  
> KM1H whose call was very near a famous qrp'er named John Collins, KN1H who  
> worked on the design of the original Twofer> RadioKit went out of business in  
> QRP because they did not have a good  
> product. They had a horrible manual, the support was awful, and business  
> practices were not like they are today among QRP Vendors. Think of  
> everything that Elecraft and Small Wonder Labs, Kanga US, and all the other  
> vendors are today, and that is what RadioKit was not.

Hi Doug,  
I can add my RadioKit story. I am in the Army (retiring in January 2002). I was stationed in Italy when I heard about RadioKit. I sent money for a kit. After waiting for weeks, I called them from Italy. I was promised that the kit would be sent soon. After waiting a while longer, I called a few more times. Each time the man at the other end pretended that he could not hear me and hung up. I knew

he could hear me by the way he spoke. I finally gave up and have never gotten my money back. That is my story and I am sure there are many others like it.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L,

FISTS #2701, Century club #569, Platinum #51,

Silver #119, FISTS CW club of Coastal Georgia,

Knightlites, Adventure Radio Society #359,

QCWA #29298, OOTC #3723, SOC #193, K2 #577, K1 #98

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End of QRP-L Digest 2390

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